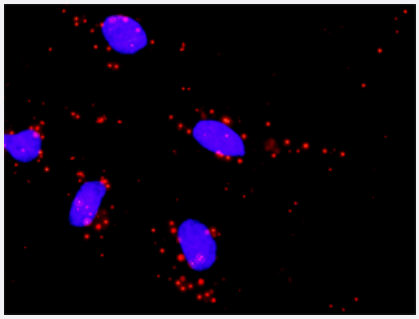
TNFRSF1A & HSA Protein Protein Interaction Antibody Pair

Catalog # DI0504 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between TNFRSF1A and TNF. HeLa cells were stained with anti-TNFRSF1A rabbit purified polyclonal antibody 1:1200 and anti-TNF mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex. The images were analyzed using an optimized freeware (BlobFinder) download from The Centre for Image Analysis at Uppsala University.

Specification

Product Description	This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the TNFRSF1A protein, and the other against the HSA protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.
Reactivity	Human
Quality Control Testing	Protein protein interaction immunofluorescence result. Representative image of Proximity Ligation Assay of protein-protein interactions between TNFRSF1A and TNF. HeLa cells were stained with anti-TNFRSF1A rabbit purified polyclonal antibody 1:1200 and anti-TNF mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex. The images were analyzed using an optimized freeware (BlobFinder) download from The Centre for Image Analysis at Uppsala University.
Supplied Products	Antibody pair set content: 1. TNFRSF1A rabbit purified polyclonal antibody (100 ug) 2. HSA mouse monoclonal antibody (40 ug) *Reagents are sufficient for at least 30-50 assays using recommended protocols.
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

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- *In situ* Proximity Ligation Assay (Cell)

Gene Info — TNF

Entrez GeneID	7124
Gene Name	TNF
Gene Alias	DIF, TNF-alpha, TNFA, TNFSF2
Gene Description	tumor necrosis factor (TNF superfamily, member 2)
Omim ID	157300 191160 248310 600807 611162
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily. This cytokine is mainly secreted by macrophages. It can bind to, and thus functions through its receptors TNFRSF1A/TNFR1 and TNFRSF1B/TNFBR. This cytokine is involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. This cytokine has been implicated in a variety of diseases, including autoimmune diseases, insulin resistance, and cancer. Knockout studies in mice also suggested the neuroprotective function of this cytokine. [provided by RefSeq
Other Designations	APC1 protein|OTTHUMP00000029281|OTTHUMP00000037669|TNF superfamily, member 2|TNF, macrophage-derived|TNF, monocyte-derived|cachectin|tumor necrosis factor alpha

Gene Info — TNFRSF1A

Entrez GeneID	7132
Gene Name	TNFRSF1A
Gene Alias	CD120a, FPF, MGC19588, TBP1, TNF-R, TNF-R-I, TNF-R55, TNFAR, TNFR1, TNFR55, TNFR60, p55, p55-R, p60
Gene Description	tumor necrosis factor receptor superfamily, member 1A
Omim ID	142680 191190
Gene Ontology	Hyperlink

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Gene Summary	The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein is one of the major receptors for the tumor necrosis factor-alpha. This receptor can activate NF-kappa B, mediate apoptosis, and function as a regulator of inflammation. Antiapoptotic protein BCL2-associated athanogene 4 (BAG4/SODD) and adaptor proteins TRADD and TRAF2 have been shown to interact with this receptor, and thus play regulatory roles in the signal transduction mediated by the receptor. Germline mutations of the extracellular domains of this receptor were found to be associated with the autosomal dominant periodic fever syndrome. The impaired receptor clearance is thought to be a mechanism of the disease. [provided by RefSeq
Other Designations	tumor necrosis factor binding protein 1|tumor necrosis factor receptor 1|tumor necrosis factor receptor type 1|tumor necrosis factor-alpha receptor

Pathway

- Adipocytokine signaling pathway
- Adipocytokine signaling pathway
- Allograft rejection
- Amyotrophic lateral sclerosis (ALS)
- Amyotrophic lateral sclerosis (ALS)
- Apoptosis
- Apoptosis
- Asthma
- Cytokine-cytokine receptor interaction
- Cytokine-cytokine receptor interaction
- Fc epsilon RI signaling pathway
- Graft-versus-host disease
- Hematopoietic cell lineage
- Hypertrophic cardiomyopathy (HCM)
- MAPK signaling pathway
- MAPK signaling pathway
- Natural killer cell mediated cytotoxicity
- Systemic lupus erythematosus

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- T cell receptor signaling pathway
- TGF-beta signaling pathway
- Toll-like receptor signaling pathway
- Type I diabetes mellitus
- Type II diabetes mellitus

Disease

- Abortion
- Abortion
- Abscess
- Absenteeism
- Acne Vulgaris
- Acquired Immunodeficiency Syndrome
- Acquired Immunodeficiency Syndrome
- Acute Disease
- Acute Disease
- Acute Lung Injury
- Adenocarcinoma
- Adenocarcinoma
- Adenoma
- Adenomatous Polyps
- Adrenal Gland Neoplasms
- Aggressive Periodontitis
- Aggressive Periodontitis
- AIDS Dementia Complex
- AIDS-Related Opportunistic Infections

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- Albuminuria
- Alcoholism
- alpha 1-Antitrypsin Deficiency
- Alpha-1-antitrypsin deficiency
- alpha-Thalassemia
- Alphavirus Infections
- Alveolar Bone Loss
- Alveolar Bone Loss
- Alveolitis
- Alzheimer disease
- Alzheimer disease
- Amphetamine-Related Disorders
- Amphetamine-Related Disorders
- Amyloidosis
- Amyloidosis
- Amyotrophic lateral sclerosis
- Anemia
- Anemia
- Aneurysm
- Angina
- Angina Pectoris
- Anorexia
- Anorexia Nervosa
- Anthracosis
- Antiphospholipid Syndrome
- Anus Diseases

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- Aortic Aneurysm
- Aortic Diseases
- Aortic Rupture
- Appendicitis
- Appetite
- Arterial Occlusive Diseases
- Arteriosclerosis
- Arteriosclerosis
- Arteriovenous Malformations
- Arthritis
- Arthritis
- Aspergillosis
- Aspergillosis
- Asphyxia Neonatorum
- Asthenozoospermia
- Asthma
- Asthma
- Atherosclerosis
- Atherosclerosis
- Atrial Fibrillation
- Atrophy
- Attention
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Autoimmune Diseases
- Autoimmune Diseases

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- Autoimmune polyglandular syndrome
- Bacteremia
- Bacterial Infections
- Behcet Syndrome
- Behcet Syndrome
- Berylliosis
- beta-Thalassemia
- Biliary Tract Neoplasms
- Bipolar Disorder
- Birth Weight
- Blood Coagulation Disorders
- Body Weight
- Bone Marrow Diseases
- Bone Resorption
- Boutonneuse Fever
- Brain Infarction
- Brain Ischemia
- Breast cancer
- Breast Diseases
- Breast Neoplasms
- Breast Neoplasms
- Bronchial Hyperreactivity
- Bronchiectasis
- Bronchiolitis
- Bronchiolitis
- Bronchiolitis Obliterans

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- Bronchitis
- Bronchopneumonia
- Bronchopulmonary Dysplasia
- Brucellosis
- Burkitt lymphoma
- Burns
- Byssinosis
- Cachexia
- Cadaver
- Calcinosis
- Calcinosis
- Carcinoma
- Carcinoma
- Cardiomyopathies
- Cardiomyopathy
- Cardiovascular Diseases
- Cardiovascular Diseases
- Carotid Artery Diseases
- Carotid Stenosis
- Celiac Disease
- Cerebral Hemorrhage
- Cerebral Infarction
- Cerebral Palsy
- Cerebrovascular Accident
- Cerebrovascular Disorders
- Cervical Intraepithelial Neoplasia

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- Chagas Cardiomyopathy
- Chagas Disease
- Chlamydia Infections
- Chlamydophila Infections
- Cholangitis
- Choreatic Disorders
- Chorioamnionitis
- Chorioamnionitis
- Chronic Disease
- Chronic Disease
- Chronic Periodontitis
- Chronic Periodontitis
- Clonorchiasis
- Cognition
- Colitis
- Colitis
- Colon cancer
- Colonic Neoplasms
- Colonic Polyps
- Colorectal Neoplasms
- Common Cold
- Communicable Diseases
- Community-Acquired Infections
- Connective Tissue Diseases
- Connective Tissue Diseases
- Constipation

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- Constriction
- Constriction
- Coronary Aneurysm
- Coronary Artery Disease
- Coronary Artery Disease
- Coronary Disease
- Coronary Restenosis
- Coronary Stenosis
- Coronary Vessel Anomalies
- Critical Illness
- Crohn Disease
- Crohn Disease
- Cross Infection
- Cutaneous Fistula
- Cystic fibrosis
- Cystic fibrosis
- Cytomegalovirus Retinitis
- Delayed Graft Function
- Dementia
- Dengue
- Dengue Hemorrhagic Fever
- Dental Plaque
- Depressive Disorder
- Dermatitis
- Dermatomyositis

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- Diabetes
- Diabetes Complications
- Diabetes Complications
- Diabetes Mellitus
- Diabetes Mellitus
- Diabetic Angiopathies
- Diabetic Nephropathies
- Diabetic Nephropathies
- Diabetic Neuropathies
- Diabetic Retinopathy
- Diarrhea
- Diarrhea
- Discrimination (Psychology)
- Disease Models
- Disease Models
- Disease Progression
- Disease Progression
- Disease Susceptibility
- Disease Susceptibility
- Diseases in Twins
- Down Syndrome
- Drug Eruptions
- Drug Hypersensitivity
- Drug Toxicity
- Ductus Arteriosus
- Ductus Arteriosus

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- Duodenal Diseases
- Duodenal Ulcer
- Dyslipidemias
- Eclampsia
- Eczema
- Edema
- Edema
- Embryo Loss
- Encephalitis
- Encephalomyelitis
- Endometriosis
- Endometriosis
- Endotoxemia
- Enterocolitis
- Epidermal Necrolysis
- Epilepsy
- Epstein-Barr Virus Infections
- Erythema
- Erythema Nodosum
- Esophageal Neoplasms
- Esophageal Neoplasms
- Esophagitis
- Esophagitis
- Exanthema
- Exfoliation Syndrome
- Eye Diseases

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- Fabry Disease
- Familial Mediterranean fever
- Familial Mediterranean fever
- Fatigue
- Fatigue Syndrome
- Fatty Liver
- Femur Head Necrosis
- Fetal Diseases
- Fetal Diseases
- Fetal Growth Retardation
- Fetal Membranes
- Fetal Membranes
- Fever
- Fibrocystic Breast Disease
- Fibrosis
- Food Hypersensitivity
- Fractures
- Fungemia
- Gallbladder Neoplasms
- Gastritis
- Gastroenteritis
- Gastroesophageal Reflux
- Gastrointestinal Diseases
- Gastrointestinal Neoplasms
- Genetic Diseases
- Genetic Predisposition to Disease

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- Genetic Predisposition to Disease
- Genomic Instability
- Gingival Hemorrhage
- Gingivitis
- Glaucoma
- Glaucoma
- Glomerulonephritis
- Glomerulosclerosis
- Glossitis
- Glucose Intolerance
- Glucose Metabolism Disorders
- Glucosephosphate Dehydrogenase Deficiency
- Gout
- Graft vs Host Disease
- Graft vs Host Disease
- Gram-Negative Bacterial Infections
- Granuloma
- Graves Disease
- Graves Ophthalmopathy
- Growth Disorders
- Guillain-Barre Syndrome
- Hantavirus Pulmonary Syndrome
- Hashimoto Disease
- Head and Neck Neoplasms
- Hearing Loss
- Heart Block

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- Heart Defects
- Heart Defects
- Heart Diseases
- Heart Valve Diseases
- Helicobacter Infections
- HELLP Syndrome
- Hematologic Diseases
- Hematologic Diseases
- Hematologic Neoplasms
- Hemochromatosis
- Hemophilia A
- Hemorrhage
- Hemorrhagic Fever with Renal Syndrome
- Hepatitis
- Hepatitis
- Hepatitis B
- Hepatitis C
- Hepatitis C
- Hereditary hemochromatosis
- HIV Infections
- HIV Seropositivity
- HIV Seropositivity
- HIV-Associated Lipodystrophy Syndrome
- Hodgkin Disease
- HTLV-I Infections
- HTLV-I Infections

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- Hypercholesterolemia
- Hypergammaglobulinemia
- Hyperglycemia
- Hyperlipidemias
- Hypersensitivity
- Hypertension
- Hypertriglyceridemia
- Hypertrophy
- Hyperuricemia
- Hypoxia-Ischemia
- Idiopathic Pulmonary Fibrosis
- IgA Deficiency
- Ileitis
- Infant
- Infant
- Infection
- Infection
- Infectious Mononucleosis
- Infertility
- Inflammation
- Inflammation
- Inflammatory Bowel Diseases
- Inflammatory Bowel Diseases
- Insulin Resistance
- Intervertebral Disk Displacement
- Intracranial Aneurysm

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- Intracranial Arteriosclerosis
- Intracranial Arteriovenous Malformations
- Intracranial Hemorrhages
- Iridocyclitis
- Iron Overload
- Irritable Bowel Syndrome
- Irritable Bowel Syndrome
- Kidney Diseases
- Kidney Failure
- Kidney Neoplasms
- Laryngeal Neoplasms
- Leiomyoma
- Leishmaniasis
- Leprosy
- Leptospirosis
- Leukemia
- Leukemia-Lymphoma
- Leukemia-Lymphoma
- Lichen Planus
- Limb Deformities
- Lipodystrophy
- Liver Cirrhosis
- Liver Cirrhosis
- Liver Diseases
- Liver Failure
- Liver Neoplasms

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- Low Tension Glaucoma
- Lung carcinoma
- Lung Diseases
- Lung Diseases
- Lung Neoplasms
- Lung Neoplasms
- Lupus Erythematosus
- Lupus Erythematosus
- Lupus Vasculitis
- Lymphadenitis
- Lymphatic Metastasis
- Lymphocytosis
- Lymphohistiocytosis
- Lymphoma
- Lymphoma
- Lymphoproliferative Disorders
- Lymphoproliferative Disorders
- Malaria
- Malignant melanoma
- Measles
- Measles
- Melanoma
- Memory
- Memory Disorders
- Meningococcal Infections

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- Mental Disorders
- Mental Processes
- Mental Recall
- Metabolic Syndrome X
- Metabolic Syndrome X
- Metaplasia
- Migraine Disorders
- Migraine with Aura
- Migraine without Aura
- Mixed Connective Tissue Disease
- Mood Disorders
- Mouth Neoplasms
- Mouth Neoplasms
- Mucocutaneous Lymph Node Syndrome
- Multiple endocrine neoplasia
- Multiple Myeloma
- Multiple Myeloma
- Multiple Organ Failure
- Multiple Sclerosis
- Multiple Sclerosis
- Multiple System Atrophy
- Multiple Trauma
- Mumps
- Mumps
- Muscular Atrophy
- Muscular Diseases

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- Musculoskeletal Diseases
- Musculoskeletal Diseases
- Myasthenia Gravis
- Mycobacterium avium-intracellulare Infection
- Mycobacterium Infections
- Myelodysplastic Syndromes
- Myocardial Infarction
- Myocardial Infarction
- Myocardial Ischemia
- Myocarditis
- Myositis
- Narcolepsy
- Narcolepsy
- NARP
- Nasal Polyps
- Nasopharyngeal Neoplasms
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Neoplasms
- Nephrosis
- Nephrotic Syndrome
- Neuroendocrine Tumors
- Neurofibromatosis
- Neuropsychological Tests

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- Neutropenia
- Nuchal Cord
- Obesity
- Obesity
- Obsessive-Compulsive Disorder
- Obstetric Labor
- Obstetric Labor
- Occupational Diseases
- Occupational Diseases
- Ocular Hypertension
- Oligospermia
- Ophthalmia
- Oral Submucous Fibrosis
- Oral Ulcer
- Osteoarthritis
- Osteoarthritis
- Osteolysis
- Osteomyelitis
- Osteoporosis
- Osteoporosis
- Osteosarcoma
- Otitis Media
- Otorhinolaryngologic Neoplasms
- Ovarian cancer
- Ovarian Failure
- Ovarian Neoplasms

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- Overweight
- Pain
- Pain
- Pancreatic cancer
- Pancreatic Neoplasms
- Pancreatitis
- Papillomavirus Infections
- Paracoccidioidomycosis
- Paraparesis
- Paraparesis
- Paraproteinemias
- Parasitemia
- Parasitic Diseases
- Paratyphoid Fever
- Paratyphoid Fever
- Parkinson disease
- Parkinson disease
- Parvoviridae Infections
- Pelvic Pain
- Pemphigoid
- Pemphigus
- Peptic Ulcer
- Periapical Periodontitis
- Pericarditis
- Periodontal Attachment Loss
- Periodontal Attachment Loss

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- Periodontal Diseases
- Periodontal Pocket
- Periodontal Pocket
- Periodontitis
- Periodontitis
- Peripheral Vascular Diseases
- Pharyngeal Neoplasms
- Photosensitivity Disorders
- Picornaviridae Infections
- Pneumoconiosis
- Pneumonia
- Polycystic kidney disease
- Polycystic Ovary Syndrome
- Polyendocrinopathies
- Polymyalgia Rheumatica
- Polymyositis
- Postoperative Complications
- Postoperative Hemorrhage
- Pouchitis
- Precancerous Conditions
- Prediabetic State
- Pre-Eclampsia
- Pre-Eclampsia
- Pregnancy Complications
- Pregnancy Complications
- Premature Birth

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- Premature Birth
- Prenatal Exposure Delayed Effects
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Prostatitis
- Prosthesis Failure
- Proteinuria
- Prurigo
- Pseudomonas Infections
- Psoriasis
- Psychiatric Status Rating Scales
- Psychiatric Status Rating Scales
- Psychometrics
- Psychomotor Performance
- Psychotic Disorders
- Pterygium
- Puberty
- Puerperal Disorders
- Pulmonary Disease
- Pulmonary Disease
- Pulmonary Emphysema
- Pulmonary Emphysema
- Pulmonary Fibrosis
- Purpura
- Q Fever

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- Radiation Injuries
- Radiation Injuries
- Radiation Pneumonitis
- Radiation Pneumonitis
- Radius Fractures
- Rectal Fistula
- Rectal Neoplasms
- Recurrence
- Recurrence
- Reflex Sympathetic Dystrophy
- Renal Artery Obstruction
- Renal Insufficiency
- Reperfusion Injury
- Respiratory Distress Syndrome
- Respiratory Hypersensitivity
- Respiratory Insufficiency
- Respiratory Sounds
- Respiratory Syncytial Virus Infections
- Respiratory Syncytial Virus Infections
- Respiratory Tract Diseases
- Respiratory Tract Infections
- Retinal Detachment
- Retinal Vein Occlusion
- Retinopathy of Prematurity
- Retroperitoneal Fibrosis
- Rhabdomyolysis

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- Rheumatic Diseases
- Rheumatic Diseases
- Rheumatic Fever
- Rheumatic Heart Disease
- Rheumatoid Nodule
- Rhinitis
- Rubella
- Rubella
- Rupture
- Sarcoidosis
- Sarcoma
- Schistosomiasis japonica
- Schistosomiasis mansoni
- Schizophrenia
- Schizophrenia
- Schizophrenic Psychology
- Sciatica
- Scleroderma
- Seizures
- Seminoma
- Sepsis
- Sepsis
- Severe Acute Respiratory Syndrome
- Severe combined immunodeficiency
- Shock

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- Shock
- Silicosis
- Sinusitis
- Skin Diseases
- Skin Diseases
- Skin Neoplasms
- Skin Ulcer
- Sleep Apnea
- Sleep Apnea Syndromes
- Sleep Deprivation
- Sleep Disorders
- Small Cell Lung Carcinoma
- Spondylarthritis
- Spondylarthropathies
- Spondylitis
- Spondylitis
- Staphylococcal Infections
- Stevens-Johnson Syndrome
- Stomach Diseases
- Stomach Neoplasms
- Stomach Neoplasms
- Stomach Ulcer
- Stomatitis
- Stomatitis
- Streptococcal Infections
- Stress
- Stroke

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- Subarachnoid Hemorrhage
- Substance Withdrawal Syndrome
- Substance-Related Disorders
- Sudden Infant Death
- Surgical Wound Infection
- Syndrome
- Syndrome
- Systemic Inflammatory Response Syndrome
- Systemic Vasculitis
- Temporal Arteritis
- Tension-Type Headache
- Testicular Neoplasms
- Thalassemia
- Thoracic Neoplasms
- Thrombophilia
- Thrombosis
- Thymoma
- Thymus Neoplasms
- Thyroid Diseases
- Thyroiditis
- Thyroiditis
- Tobacco Use Disorder
- Tooth Diseases
- Tooth Loss
- Trachoma
- Translocation

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- Trypanosomiasis
- Tuberculosis
- Tuberculosis
- Tumor Virus Infections
- Typhoid Fever
- Typhoid Fever
- Urinary Bladder Neoplasms
- Urinary Bladder Neoplasms
- Urinary Calculi
- Urinary Tract Infections
- Urticaria
- Uterine Cervical Dysplasia
- Uterine Cervical Incompetence
- Uterine Cervical Neoplasms
- Uterine Neoplasms
- Uveitis
- Uveitis
- Vaginal Diseases
- Vaginosis
- Vascular Diseases
- Vasculitis
- Venous Thrombosis
- Venous Thrombosis
- Ventricular Dysfunction
- Verbal Learning
- Vesico-Ureteral Reflux

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- Viremia
- Viremia
- Vitiligo
- Vitreoretinopathy
- Waldenstrom Macroglobulinemia
- Wegener Granulomatosis
- Weight Gain
- Weight Gain
- Weight Loss
- Werner syndrome
- Werner syndrome
- Wounds
- Wounds and Injuries

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