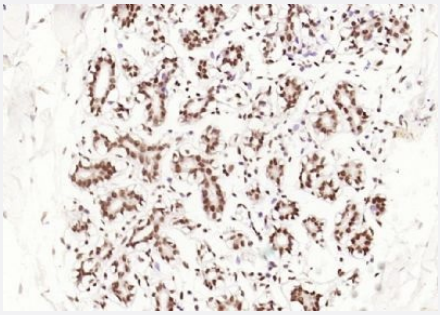
RecomAb™ Sm Size

ESR1(Phospho S118) recombinant monoclonal antibody

Catalog # RAB09302 Size 50 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraformaldehyde-fixed, paraffin embedded human breast using anti using ESR1(Phospho S118) recombinant monoclonal antibody (Cat # RAB09302). Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation at 1:200 overnight at 4°C.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ESR1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against KLH conjugated Synthesised phosphopeptide derived from human ESR1 around the phosphorylation site of Ser118.
Theoretical MW (kDa)	66
Reactivity	Human, Mouse
Specificity	This antibody detects endogenous levels of Estrogen Receptor alpha protein only when phosphorylated at Ser118.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Protein A purification

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Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In 0.01M TBS, pH7.4 (1% BSA, 0.03% Proclin300 and 50% Glycerol)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of paraformaldehyde-fixed, paraffin embedded human breast using anti using ESR1(Phospho S118) recombinant monoclonal antibody (Cat # RAB09302). Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation at 1:200 overnight at 4°C.

Gene Info — ESR1

Entrez GeneID	2099
Protein Accession#	P03372
Gene Name	ESR1
Gene Alias	DKFZp686N23123, ER, ESR, ESRA, Era, NR3A1
Gene Description	estrogen receptor 1
Omim ID	133430 157300 608446
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an estrogen receptor, a ligand-activated transcription factor composed of several domains important for hormone binding, DNA binding, and activation of transcription. The protein localizes to the nucleus where it may form a homodimer or a heterodimer with estrogen receptor 2. Estrogen and its receptors are essential for sexual development and reproductive function, but also play a role in other tissues such as bone. Estrogen receptors are also involved in pathological processes including breast cancer, endometrial cancer, and osteoporosis. Alternative splicing results in several transcript variants, which differ in their 5' UTRs and use different promoters. [provided by RefSeq
Other Designations	OTTHUMP00000017718|OTTHUMP00000017719|estrogen receptor alpha

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Disease

- Abortion
- Acute Disease
- Adenocarcinoma
- Alveolar Bone Loss
- Alzheimer disease
- Amphetamine-Related Disorders
- Anorexia Nervosa
- Antisocial Personality Disorder
- Aortic Aneurysm
- Arteriosclerosis
- Arthritis
- Asperger Syndrome
- Asthma
- Atherosclerosis
- Atrial Fibrillation
- Atrophy
- Autistic Disorder
- Azoospermia
- beta-Thalassemia
- Biliary Tract Neoplasms
- Bipolar Disorder
- Body Weight
- Bone Diseases
- Bone Neoplasms
- Bone Resorption

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- Borderline Personality Disorder
- Brain Ischemia
- Breast cancer
- Breast Neoplasms
- Bronchial Hyperreactivity
- Bulimia
- Cadmium Poisoning
- Calcinosis
- Carcinoma
- Cardiomyopathy
- Cardiovascular Diseases
- Carotid Artery Diseases
- Carotid Stenosis
- Cell Transformation
- Cellulitis
- Cerebral Hemorrhage
- Cerebral Infarction
- Cerebrovascular Accident
- Child Behavior Disorders
- Cholestasis
- Chorioamnionitis
- Chronic Disease
- Cleft Lip
- Cleft Palate
- Cognition
- Cognition Disorders

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- Colon cancer
- Colonic Neoplasms
- Colorectal Neoplasms
- Coronary Artery Disease
- Coronary Disease
- Coronary Restenosis
- Coronary Stenosis
- Coronary Thrombosis
- Cryptorchidism
- Cystic fibrosis
- Death
- Dementia
- Depression
- Depressive Disorder
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Nephropathies
- Disease Progression
- Disease Susceptibility
- Diseases in Twins
- Down Syndrome
- Drug Hypersensitivity
- Ductus Arteriosus
- Dyskinesia
- Dyslipidemias
- Dysmenorrhea

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- Edema
- Endometrial Neoplasms
- Endometriosis
- Esophageal Neoplasms
- Facial Pain
- Femoral Neck Fractures
- Fetal Membranes
- Fluorosis
- Fractures
- Gallstones
- Gender Identity
- Genetic Predisposition to Disease
- Genetics
- Genital Neoplasms
- Glaucoma
- Glomerulonephritis
- Graft vs Host Disease
- Graves Disease
- Heart Diseases
- Hepatitis B
- Hip Dislocation
- Hip Fractures
- Hot Flashes
- Hyperlipidemias
- Hyperlipoproteinemia Type II
- Hyperplasia

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- Hypersensitivity
- Hypertension
- Hypertrophy
- Hypospadias
- Infant
- Infertility
- Inflammation
- Insulin Resistance
- Intervertebral Disk Displacement
- Kidney Failure
- Kidney Neoplasms
- Leiomyoma
- Leiomyomatosis
- Liver Cirrhosis
- Liver Neoplasms
- Lung Neoplasms
- Lupus Erythematosus
- Lupus Nephritis
- Lymphatic Metastasis
- Lymphoma
- Macular Degeneration
- Memory
- Menstruation Disturbances
- Mental Disorders
- Mental Status Schedule
- Metabolic Syndrome X

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- Microsatellite Instability
- Migraine Disorders
- Migraine with Aura
- Migraine without Aura
- Mood Disorders
- Multiple Sclerosis
- Myasthenia Gravis
- Myocardial Infarction
- Myocardial Ischemia
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Neuropsychological Tests
- Neurotic Disorders
- Obesity
- Obstetric Labor
- Oligospermia
- Ossification of Posterior Longitudinal Ligament
- Osteoarthritis
- Osteonecrosis
- Osteoporosis
- Ovarian cancer
- Ovarian Failure
- Ovarian Neoplasms
- Overweight

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- Parkinson disease
- Periodontitis
- Peripheral Vascular Diseases
- Personality Assessment
- Personality Inventory
- Polycystic Ovary Syndrome
- Precancerous Conditions
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Premenstrual Syndrome
- Primary Ovarian Insufficiency
- Prostate cancer
- Prostatic Neoplasms
- Psychiatric Status Rating Scales
- Psychological Tests
- Psychoses
- Psychotic Disorders
- Puberty
- Puerperal Disorders
- Pulmonary Disease
- Rectal Neoplasms
- Recurrence
- Retinoblastoma
- Retinopathy of Prematurity
- Schizophrenia

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- Scleroderma
- Scoliosis
- Seminoma
- Sleep Disorders
- Social Perception
- Spinal Fractures
- Spinal Osteophytosis
- Stomach Neoplasms
- Stress
- Stroke
- Substance-Related Disorders
- Temporomandibular Joint Disorders
- Tension-Type Headache
- Testicular Neoplasms
- Thalassemia
- Thrombophilia
- Thrombosis
- Thyroid Neoplasms
- Tobacco Use Disorder
- Tooth Loss
- Urinary Bladder Neoplasms
- Urinary Calculi

- Uterine Diseases
- Uterine Neoplasms
- Varicose Ulcer

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- Venous Thrombosis
- Vertigo
- Vision Disorders
- Vitiligo
- Weight Gain
- Werner syndrome
- Yang Deficiency
- Yin Deficiency

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