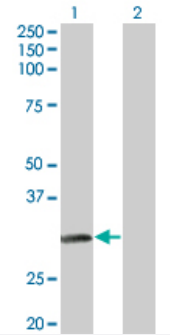
NAT2 monoclonal antibody (M01), clone 3B5

Catalog # H00000010-M01 Size 100 ug

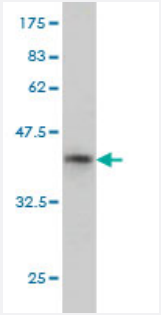
Applications



Western Blot (Transfected lysate)

Western Blot analysis of NAT2 expression in transfected 293T cell line by NAT2 monoclonal antibody (M01), clone 3B5.

Lane 1: NAT2 transfected lysate(33.5 KDa).
Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant NAT2.
Immunogen	NAT2 (AAH15878, 96 a.a. ~ 195 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PPVNKYSTGMVHLLLQVTIDGRNYIVDAGSGSSSQMWQPLELISGKDQPQVPCIFCLTEERGIWYL DQIRREQYITNKEFLNSHLLPKKKHQKIYLFTLE
Host	Mouse
Reactivity	Human

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Interspecies Antigen Sequence	Mouse (72); Rat (74)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA
- Western Blot (Transfected lysate)

  Western Blot analysis of NAT2 expression in transfected 293T cell line by NAT2 monoclonal antibody (M01), clone 3B5.

  Lane 1: NAT2 transfected lysate(33.5 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download
- Western Blot (Recombinant protein)

  Protocol Download

Gene Info — NAT2

Entrez GeneID	10
GeneBank Accession#	BC015878
Protein Accession#	AAH15878
Gene Name	NAT2
Gene Alias	AAC2, PNAT
Gene Description	N-acetyltransferase 2 (arylamine N-acetyltransferase)
Omim ID	243400
Gene Ontology	Hyperlink

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Gene Summary	This gene encodes an enzyme that functions to both activate and deactivate arylamine and hydrazine drugs and carcinogens. Polymorphisms in this gene are responsible for the N-acetylation polymorphism in which human populations segregate into rapid, intermediate, and slow acetylator phenotypes. Polymorphisms in this gene are also associated with higher incidences of cancer and drug toxicity. A second arylamine N-acetyltransferase gene (NAT1) is located near this gene (NAT2). [provided by RefSeq
Other Designations	N-acetyltransferase 2|arylamide acetylase 2|arylamine N-acetyltransferase 2

Pathway

- Caffeine metabolism
- Drug metabolism - other enzymes
- Metabolic pathways

Disease

- Abnormalities
- Acute Disease
- Adenocarcinoma
- Adenoma
- Adenomatous Polyposis Coli
- Alveolar Bone Loss
- Alzheimer disease
- Aneuploidy
- Arthritis
- Asthma
- Astrocytoma
- Atherosclerosis
- Behcet Syndrome
- Birth Weight

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- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Bronchial Hyperreactivity
- Carcinoma
- Cardiovascular Diseases
- Cataract
- Cell Transformation
- Cholangiocarcinoma
- Chromosome Aberrations
- Cleft Lip
- Cleft Palate
- Clubfoot
- Cocarcinogenesis
- Colitis
- Colon cancer
- Colonic Neoplasms
- Colonic Polyps
- Colorectal Neoplasms
- Congenital Abnormalities
- Connective Tissue Diseases
- Crohn Disease
- Cystic fibrosis
- Dementia
- Dermatitis
- Diabetes Mellitus

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- Disease Progression
- Disease Susceptibility
- DNA Damage
- Drug Hypersensitivity
- Drug-Induced Liver Injury
- Ductus Arteriosus
- Edema
- Endometriosis
- Esophageal Neoplasms
- Fetal Diseases
- Food Hypersensitivity
- Gallbladder Neoplasms
- Gallstones
- Genetic Diseases
- Genetic Predisposition to Disease
- Genomic Instability
- Glioma
- Glomerulonephritis
- Head and Neck Neoplasms
- Hearing Disorders
- Hearing Loss
- Hepatitis
- Hepatitis B
- HIV Infections
- HIV Seropositivity
- Hypersensitivity

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- Hypertension
- Infant
- Infection
- Inflammation
- Inflammatory Bowel Diseases
- Jaw Abnormalities
- Kidney Failure
- Kidney Neoplasms
- Laryngeal Neoplasms
- Leukemia
- Leukoplakia
- Limb Deformities
- Liver Cirrhosis
- Liver Diseases
- Liver Neoplasms
- Lung carcinoma
- Lung Neoplasms
- Lupus Erythematosus
- Lymphatic Metastasis
- Lymphoma
- Macular Degeneration
- Meningeal Neoplasms
- Meningioma
- Mesothelioma
- Microsatellite Instability
- Motor Neuron Disease

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- Mouth Neoplasms
- Multiple Chemical Sensitivity
- Multiple Myeloma
- Musculoskeletal Diseases
- Nasopharyngeal Neoplasms
- Neoplasm Invasiveness
- Neoplasm Recurrence
- Neoplasms
- Neural Tube Defects
- Neurodegenerative Diseases
- Obstetric Labor
- Occupational Diseases
- Oropharyngeal Neoplasms
- Ovarian cancer
- Ovarian Failure
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Pancreatitis
- Papillomavirus Infections
- Parkinson disease
- Pharyngeal Neoplasms
- Pleural Neoplasms

- Pneumonia
- Polymyalgia Rheumatica

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- Pregnancy Complications
- Premature Birth
- Presbycusis
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Psoriasis
- Pulmonary Disease
- Rectal Neoplasms
- Rhinitis
- Schistosomiasis
- Scleroderma
- Sigmoid Neoplasms
- Skin Diseases
- Small Cell Lung Carcinoma
- Spinal Dysraphism
- Stomach Neoplasms
- Thyroid Neoplasms
- Tobacco Use Disorder
- Trisomy
- Tuberculosis
- Urinary Bladder Neoplasms
- Urologic Neoplasms
- Uterine Cervical Neoplasms

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