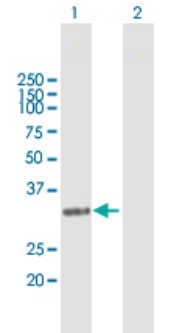
MaxPab®

NAT1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000009-B01P Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of NAT1 expression in transfected 293T cell line (H00000009-T01) by NAT1 MaxPab polyclonal antibody.

Lane 1: NAT1 transfected lysate(31.9 KDa).
Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human NAT1 protein.
Immunogen	NAT1 (NP_000653.3, 1 a.a. ~ 290 a.a) full-length human protein.
Sequence	MDIEAYLERIGYKKSRNKLDLETLTDILQHQIRAVPFENLNIHCGDAMDLGLEAIFDQVVRRNRGGW CLQVNHLLYWALTTIGFETTMLGGYVYSTPAKKYSTGMIHLLLQVTIDGRNYIVDAGFGRSYQMWQP LELISGKDQPQVPCVFRLTEENGFWYLDQIRREQYIPNEEFLHSDLLEDSKYRKIYSFTLKPRTIEDF ESMNTYLQTSPSSVFTSKSFCSLQTPDGVHCLVGFTLTHRRFNYKDNTDLIEFKTLSEEEIEKVLK NIFNISLQRKLVPKHGDRFFTI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (82); Rat (81)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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  Protocol Download

Gene Info — NAT1

Entrez GeneID	9
GeneBank Accession#	NM_000662.4
Protein Accession#	NP_000653.3
Gene Name	NAT1
Gene Alias	AAC1, NATI
Gene Description	N-acetyltransferase 1 (arylamine N-acetyltransferase)
Omim ID	108345
Gene Ontology	Hyperlink
Gene Summary	This gene is one of two arylamine N-acetyltransferase (NAT) genes in the human geneome, and i s orthologous to the mouse and rat Nat2 genes. The enzyme encoded by this gene catalyzes the t ransfer of an acetyl group from acetyl-CoA to various arylamine and hydrazine substrates. This en zyme helps metabolize drugs and other xenobiotics, and functions in folate catabolism. Multiple tr anscript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	N-acetyltransferase 1|OTTHUMP00000122488|arylamide acetylase 1 (N-acetyltransferase 1)|aryl amine N-acetyltransferase 1

Pathway

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

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Disease

- Abnormalities
- Adenocarcinoma
- Adenoma
- Alcoholism
- Alzheimer disease
- Amnesia
- Asthma
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Cholangiocarcinoma
- Chromosome Aberrations
- Cleft Lip
- Cleft Palate
- Clubfoot
- Cognition Disorders
- Colitis
- Colon cancer
- Colonic Neoplasms
- Colonic Polyps
- Colorectal Neoplasms
- Congenital Abnormalities
- Connective Tissue Diseases

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- Crohn Disease
- Dermatitis
- Diabetes Mellitus
- Disease Susceptibility
- DNA Damage
- Edema
- Endometriosis
- Esophageal Neoplasms
- Eye Diseases
- Fetal Diseases
- Genetic Predisposition to Disease
- Genomic Instability
- Head and Neck Neoplasms
- Hepatitis B
- Hepatitis C
- Hypersensitivity
- Infection
- Inflammation
- Jaw Abnormalities
- Kidney Failure
- Laryngeal Neoplasms
- Leukemia
- Limb Deformities
- Liver Neoplasms
- Lung carcinoma
- Lung Neoplasms

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- Lupus Erythematosus
- Lymphoma
- Mesothelioma
- Micronuclei
- Motor Neuron Disease
- Multiple Chemical Sensitivity
- Multiple Myeloma
- Musculoskeletal Diseases
- Neoplasm Recurrence
- Neoplasms
- Neuroblastoma
- Neuropsychological Tests
- Ovarian cancer
- Pancreatic cancer
- Pancreatic Neoplasms
- Pleural Neoplasms
- Pregnancy Complications
- Premature Birth
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Pulmonary Disease
- Rectal Neoplasms
- Respiratory Tract Diseases
- Skin Diseases
- Spinal Dysraphism

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- Stomach Neoplasms
- Urinary Bladder Neoplasms

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