

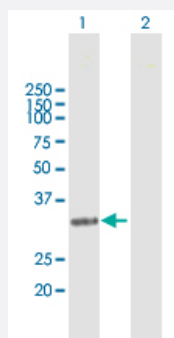
MaxPab®

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

MDIEAYLERIGYKKSRLKDLLETLDILQHQIRAVPFENLNHCGDAMDGLGLEAIFDQVVRNRGGW
CLQVNHLLYWALTITGFETTMLGGYVYSTPAKKYSTGMIHLLQVTIDGRNYVDAGFGRSYQMWQP
LELISGKDQPQVPCVFRLTEENGFWYLDQIRREQYIPNEEFLHSDLLEDISKYRKYSFTLKPRTIEDF
ESMNTYLQTSPPSVFTSKSFCSLQTPDGVHCLVGFTLTHRRFNYKDNTDLIEFKTLSEEEIEKVLK
NIFNISLQRKLVPKHGDRFFT

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 genome, and is orthologous to the mouse and rat Nat2 genes. The enzyme encoded by this gene catalyzes the transfer of an acetyl group from acetyl-CoA to various arylamine and hydrazine substrates. This enzyme helps metabolize drugs and other xenobiotics, and functions in folate catabolism. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations N-acetyltransferase 1|OTTHUMP00000122488|arylamine acetylase 1 (N-acetyltransferase 1)|arylamine N-acetyltransferase 1

Pathway

- [Caffeine metabolism](#)
- [Drug metabolism - other enzymes](#)
- [Metabolic pathways](#)

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](#)

- [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](#)

- [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](#)

- [Stomach Neoplasms](#)
- [Urinary Bladder Neoplasms](#)