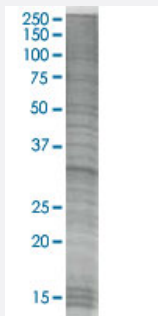


NAT1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000009-T02

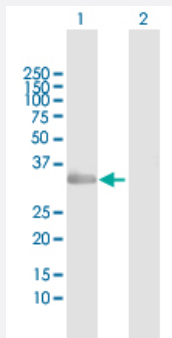
Size 100 uL

Applications



SDS-PAGE Gel

NAT1 transfected lysate.



Western Blot

Lane 1: NAT1 transfected lysate (33.9 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-NAT1 full-length
Host	Human
Theoretical MW (kDa)	33.9
Interspecies Antigen Sequence	Mouse (82); Rat (81)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-NAT1 antibody ([H00000009-D01](#)) by Western Blots.
 SDS-PAGE Gel
 NAT1 transfected lysate.
 Western Blot
 Lane 1: NAT1 transfected lysate (33.9 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

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|arylamide 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](#)