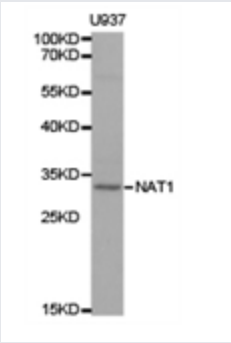
NAT1 Antibody – Rabbit

PRODUCT OVERVIEW

Product Name	NAT1, Antibody
Full Product Name	NAT1 Antibody
Product Gene Name	anti-NAT1 antibody
Product Synonym Names	AAC1; MNAT; NATI; NAT-1
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Affinity purification
Preparation and Storage	Store at-20 degree C or-80 degree C. Avoid freeze/thaw cycles.
Molecular Weight	34kDa
OMIM	108345
3D Structure	ModBase 3D Structure for P18440
Immunogen	Recombinant protein of human NAT1
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Product Categories/Family for anti-NAT1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NAT1 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-NAT1 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-NAT1 antibody	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, Aug 2011]
Other Notes	Small volumes of anti-NAT1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NAT1 purchase	MBS8505435 is an antibody targeting NAT1. Also known as NAT1 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Testing Data of anti-NAT1 antibody
Western blot analysis of extracts of U937cell line, using NAT1 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NAT1. It may not necessarily be applicable to this product.

NCBI GI #	42741671
NCBI GeneID	9
NCBI Accession #	NP_000653.3
UniProt Primary Accession #	P18440
UniProt Secondary Accession #	O15159; O15300; Q546N1; Q96TE9; A8K4E7
UniProt Related Accession #	P18440
GenBank Nucleotide #	NM_000662.7
NCBI Official Full Name	arylamine N-acetyltransferase 1 isoform a
NCBI Official Synonym Full Names	N-acetyltransferase 1
NCBI Official Symbol	NAT1
NCBI Official Synonym Symbols	AAC1; MNAT; NATI; NAT-1
UniProt Protein Name	Arylamine N-acetyltransferase 1
UniProt Synonym Protein Names	Arylamide acetylase 1; Monomorphic arylamine N-acetyltransferase; MNAT; N-acetyltransferase type 1; NAT-1
Protein Family	Arylamine N-acetyltransferase
UniProt Gene Name	NAT1
UniProt Synonym Gene Names	AAC1; MNAT; NAT-1
NCBI Protein Information	arylamine N-acetyltransferase 1
UniProt Comments for NAT1	Participates in the detoxification of a plethora of hydrazine and arylamine drugs. Catalyzes the N- or O-acetylation of various arylamine and heterocyclic amine substrates and is able to bioactivate several known carcinogens.MiscellaneousNAT1 was historically considered to be monomorphic in nature but reports of allelic variations at the NAT1 locus suggest that it is a polymorphically expressed enzyme.CautionThe allelic variation Ile-149 designated as NAT1*17 is part of the NAT1*11 allelic variation as reported by the nomenclature committee.
Research Articles on NAT1	**1.** identified a novel endogenous role for human NAT1 that might explain some of its effects in cancer cell growth and survival
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