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Anti-NAT1 Rabbit Monoclonal Antibody

Catalog # ABO16348

Product Information

Application	WB, IF, ICC, FC
Primary Accession	P18440
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-NAT1 Rabbit Monoclonal Antibody . Tested in WB, ICC/IF, Flow Cytometry applications. This antibody reacts with Human.

Additional Information

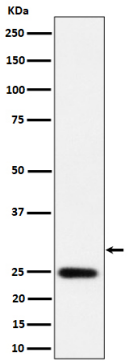
Gene ID	9
Other Names	Arylamine N-acetyltransferase 1, 2.3.1.5, Arylamide acetylase 1, Monomorphic arylamine N-acetyltransferase, MNAT, N-acetyltransferase type 1, NAT-1, NAT1, AAC1
Calculated MW	33899
Application Details	WB 1:500-1:2000 ICC/IF 1:50-1:200 FC 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 28N84
Immunogen	A synthesized peptide derived from human NAT1
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	NAT1
Synonyms	AAC1

Function	Xenobiotic-metabolizing enzyme that catalyzes both N- acetylation (usually detoxification) and O-acetylation (usually bioactivation) of a wide range of species-specific substrates including hydrazines, aromatic amine drugs and aromatic amine carcinogens (Probable) (PubMed:9168895). Transfers an acetyl group from acetyl- coenzyme A to arylamine and N-hydroxyarylamine acceptor substrates (Probable) (PubMed:9168895). Can also transfer an N-acetyl group from an N-hydroxy acetylamine to either N-hydroxyarylamine or arylamine in the absence of acetyl-coenzyme A (PubMed:9168895). Therefore, activates N-hydroxyarylamines to unstable acetoxy intermediates which decompose to electrophiles, bind to DNA, and lead to mutagenesis and carcinogenesis (PubMed:9168895). Plays a significant role in the bioactivation and detoxification of many drugs and carcinogens (Probable) (PubMed:9168895).
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:P50294}.

Images



Western blot analysis of NAT1 expression in LnCaP cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.