

ARG58208 anti-NAT1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NAT1
Tested Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NAT1
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 172-201 of Human NAT1. (NEEFLHSDLLEDSKYRKIYSFTLKPTIED)
Conjugation	Un-conjugated
Alternate Names	NAT-1; N-acetyltransferase type 1; Arylamine N-acetyltransferase 1; EC 2.3.1.5; Monomorphic arylamine N-acetyltransferase; NATI; Arylamide acetylase 1; AAC1; MNAT

Application Instructions

Application table	Application	Dilution
	WB	0.1 - 0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	NAT1
Gene Full Name	N-acetyltransferase 1 (arylamine N-acetyltransferase)
Background	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]
Function	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. [UniProt]
Calculated Mw	34 kDa
Cellular Localization	Cytoplasm. [UniProt]

Images



ARG58208 anti-NAT1 antibody WB image

Western blot: A431 whole cell lysate stained with ARG58208 anti-NAT1 antibody at 0.5 µg/ml dilution.