

NAT1 Antibody (center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13168c

Specification

NAT1 Antibody (center) - Product Information

Application	WB,E
Primary Accession	P18440
Other Accession	P11246 , P18605 , NP_001153645.1 , NP_001153642.1 , NP_000653.3 , NP_001153643.1 , NP_001153644.1
Reactivity	Human
Predicted	Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	33899
Antigen Region	102-130

NAT1 Antibody (center) - Additional Information

Gene ID 9

Other Names

Arylamine N-acetyltransferase 1, Arylamide acetylase 1, Monomorphic arylamine N-acetyltransferase, MNAT, N-acetyltransferase type 1, NAT-1, NAT1, AAC1

Target/Specificity

This NAT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 102-130 amino acids from the Central region of human NAT1.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NAT1 Antibody (center) is for research use only and not for use in diagnostic or therapeutic procedures.

NAT1 Antibody (center) - Protein Information

Name NAT1

Synonyms AAC1

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.

Cellular Location

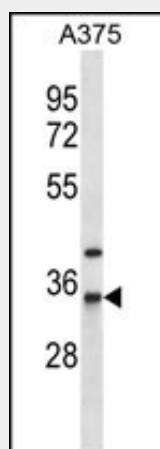
Cytoplasm.

NAT1 Antibody (center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NAT1 Antibody (center) - Images



NAT1 Antibody (center) (Cat. #AP13168c) western blot analysis in A375 cell line lysates (35ug/lane). This demonstrates the NAT1 antibody detected the NAT1 protein (arrow).

NAT1 Antibody (center) - 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.

NAT1 Antibody (center) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :
Minchin, R.F., et al. Int. J. Biochem. Cell Biol. 39(11):1999-2005(2007)
Barker, D.F., et al. Pharmacogenet. Genomics 16(7):515-525(2006)
Boukouvala, S., et al. Basic Clin. Pharmacol. Toxicol. 96(5):343-351(2005)