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NAT1 Antibody (center) Blocking Peptide
Synthetic peptide
Catalog # BP13168c

Specification

NAT1 Antibody (center) Blocking Peptide - Product Information

Primary Accession P18440

NAT1 Antibody (center) Blocking Peptide - 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
The synthetic peptide sequence used to generate the antibody AP13168c was selected from the center region of NAT1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NAT1 Antibody (center) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- Blocking Peptides

NAT1 Antibody (center) Blocking Peptide - Images

NAT1 Antibody (center) Blocking Peptide - Background

This gene is one of two arylamine N-acetyltransferase(NAT) genes in the human geneome, and is orthologous to the mouseand rat Nat2 genes. The enzyme encoded by this gene catalyzes thetransfer of an acetyl group from acetyl-CoA to various arylamineand hydrazine substrates. This enzyme helps metabolize drugs andother xenobiotics, and functions in folate catabolism. Multipletranscript variants encoding different isoforms have been found forthis gene.

NAT1 Antibody (center) Blocking Peptide - 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)