

Anti-NAT1 Picoband Antibody
Catalog # ABO10180**Specification**

Anti-NAT1 Picoband Antibody - Product Information

Application	WB
Primary Accession	P18440
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Arylamine N-acetyltransferase 1(NAT1) detection. Tested with WB in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-NAT1 Picoband Antibody - 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 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

Cytoplasm.

Protein Name

Arylamine N-acetyltransferase 1

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human NAT1 (172-201aa NEEFLHSDLLLEDSKYRKIYSFTLKPRTIED), different from the related mouse sequence by six amino acids, and from the related rat sequence by five amino acids.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-NAT1 Picoband Antibody - 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.

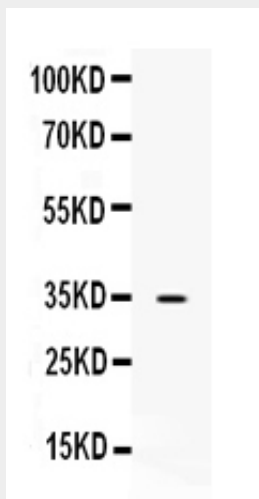
Cellular Location

Cytoplasm.

Anti-NAT1 Picoband Antibody - 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](#)

Anti-NAT1 Picoband Antibody - Images

Western blot analysis of NAT1 expression in A431 whole cell lysates (lane 1). NAT1 at 34KD was detected using rabbit anti- NAT1 Antigen Affinity purified polyclonal antibody (Catalog # ABO10180) at 0.5 μ g/mL. The blot was developed using chemiluminescence (ECL) method .

Anti-NAT1 Picoband Antibody - Background

N-acetyltransferase 1 (arylamine N-acetyltransferase) is a protein that in humans is encoded by the NAT1 gene. 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.