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NAT2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58059

Specification

NAT2 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, E**
Primary Accession	P11245
Reactivity	**Rat, Pig**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**34 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human PNAT/NAT2**
Epitope Specificity	**151-250/290**
Isotype	**IgG**
Purity	
affinity purified by Protein A	
Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SUBCELLULAR LOCATION	**Cytoplasm.**
SIMILARITY	**Belongs to the arylamine N-acetyltransferase family.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
This gene encodes an enzyme that functions to both activate and deactivate arylamine and hydrazine drugs and carcinogens. Polymorphisms in this gene are responsible for the N-acetylation polymorphism in which human populations segregate into rapid, intermediate, and slow acetylator phenotypes. Polymorphisms in this gene are also associated with higher incidences of cancer and drug toxicity. A second arylamine N-acetyltransferase gene (NAT1) is located near this gene (NAT2). [provided by RefSeq].

NAT2 Polyclonal Antibody - Additional Information

Gene ID 10

Other Names
Arylamine N-acetyltransferase 2, 2.3.1.5, Arylamide acetylase 2, N-acetyltransferase type 2, NAT-2, Polymorphic arylamine N-acetyltransferase, PNAT, NAT2, AAC2

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

NAT2 Polyclonal Antibody - Protein Information

Name NAT2

Synonyms AAC2

Function
Catalyzes the N- or O-acetylation of various arylamine and heterocyclic amine substrates (PubMed:12222688, PubMed:7915226). Participates in the detoxification of a plethora of hydrazine and arylamine drugs, and is able to bioactivate several known carcinogens.

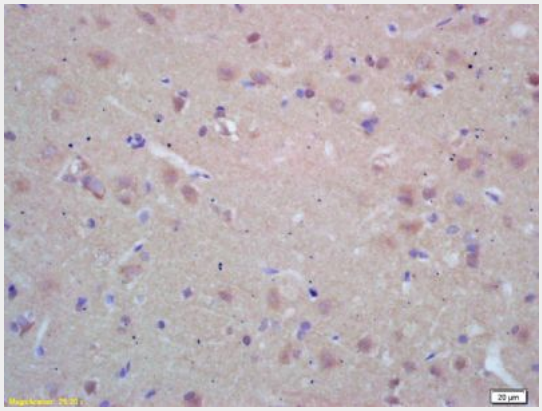
Cellular Location
Cytoplasm.

NAT2 Polyclonal 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 Cytomety
- Cell Culture

NAT2 Polyclonal Antibody - Images



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

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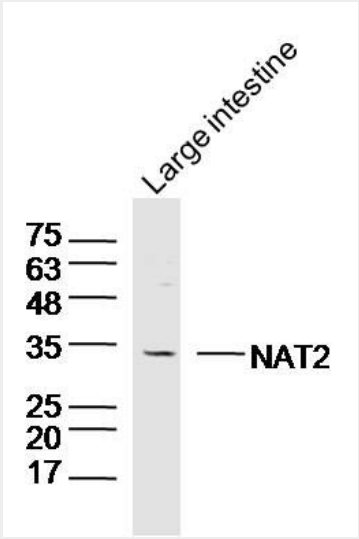
Incubation: Anti-NAT2 Polyclonal Antibody, Unconjugated(bs-2798R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Sample:Large intestine (Mouse)Lysate at 40 ug
Primary: Anti-NAT2(bs-2798R)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution
Predicted band size: 34kD
Observed band size: 34kD