

For Research Use Only

NAT2 Polyclonal antibody

Catalog Number: 11410-1-AP



Basic Information

Catalog Number:

11410-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1953

GenBank Accession Number:

BC015878

GeneID (NCBI):

10

UNIPROT ID:

P11245

Full Name:

N-acetyltransferase 2 (arylamine N-acetyltransferase)

Calculated MW:

33.5 kDa

Observed MW:

38 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:12000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: rat liver tissue,

IHC: human small intestine tissue, human breast cancer tissue

Background Information

NAT2 (Arylamine N-acetyltransferase 2) is well-known for its role in phase II metabolism of xenobiotics and drugs (PMID:36156098). NAT2 and its isozyme, arylamine N-acetyltransferase 1 (NAT1), play key roles in the detoxification of carcinogenic arylamines and xenobiotics by catalyzing acetyl-coenzyme A (CoA)-dependent biotransformation of arylamines to N-arylacetamides. Endogenous NAT2 expression is limited to the liver and small and large intestines, suggesting that NAT2 plays organ-specific roles (PMID:24467436).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

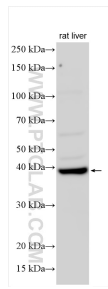
T: 4006900926

E: Proteintech-CN@ptglab.com

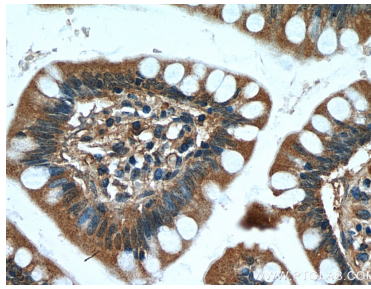
W: ptgcn.com

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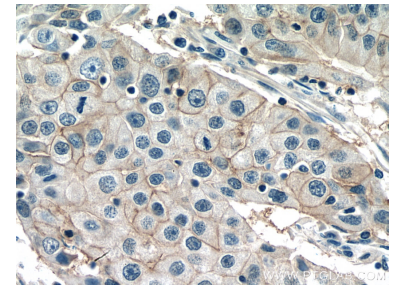
Selected Validation Data



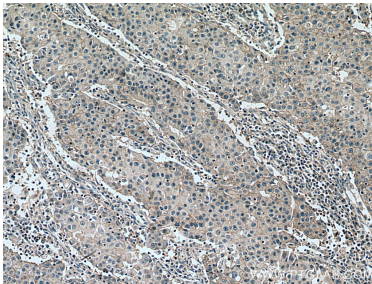
Various lysates were subjected to SDS PAGE followed by western blot with 11410-1-AP (NAT2 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 11410-1-AP (NAT2 antibody) at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11410-1-AP (NAT2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11410-1-AP (NAT2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).