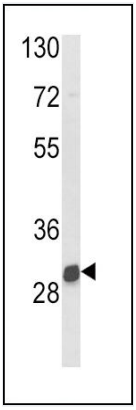
NAT2 Antibody – Rabbit Polyclonal

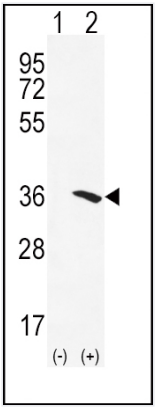
PRODUCT OVERVIEW

Product Name	NAT2, Polyclonal Antibody
Full Product Name	NAT2, CT (N-acetyltransferase Type 2, NAT-2, Arylamine N-acetyltransferase 2, Arylamide Acetylase 2, AAC2, Polymorphic Arylamine N-acetyltransferase, PNAT) (FITC)
Product Gene Name	anti-NAT2 antibody
Product Synonym Names	N-acetyltransferase 2 (Arylamine N-acetyltransferase); EC=2.3.1.5
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human NAT2. Species Crossreactivity: mouse.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	34kDa
Chromosome Location	Chromosome: 8; NC_000008.10 (18248755..18258723). Location: 8p22
OMIM	243400
3D Structure	ModBase 3D Structure for P11245
Immunogen	Synthetic peptide selected from the C-terminal region of human NAT2 (KLH).
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-NAT2 antibody	Antibodies; Enzymes; Acetyltransferase
Applications Tested/Suitable for anti-NAT2 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-NAT2 antibody	IHC: 1:50-1:100 FLISA: 1:1,000 WB: 1:100-1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-NAT2 antibody	MBS6489387 is an antibody targeting NAT2. Also known as NAT2, CT (N-acetyltransferase Type 2, NAT-2, Arylamine N-acetyltransferase 2, Arylamide Acetylase 2, AAC2, Polymorphic Arylamine N-acetyltransferase, PNAT) (FITC). Reactive in Human, Mouse. Host: Rabbit.

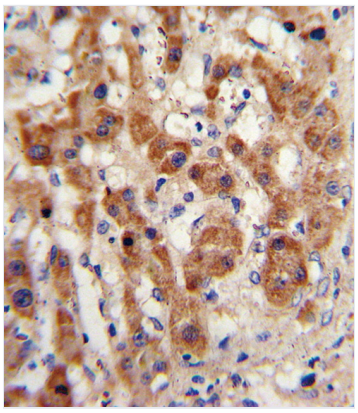
Product References and Citations for anti-NAT2 antibody	1. Kim, S.H., et.al., Pharmacogenomics 10(11), 1767-1779 (2009).
Other Notes	Small volumes of anti-NAT2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



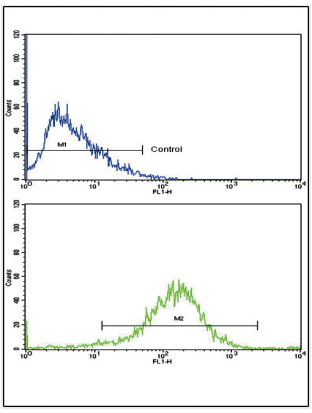
Western Blot (WB) of anti-NAT2 antibody
Western blot analysis of NAT2 Antibody (C-term) in mouse kidney tissue lysates (35ug/lane).NAT2 (arrow) was detected using the purified Pab.



Western Blot (WB) of anti-NAT2 antibody
Western blot analysis of NAT2 (arrow) using rabbit polyclonal NAT2 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the NAT2 gene.



Immunohistochemistry (IHC) of anti-NAT2 antibody
Formalin-fixed and paraffin-embedded human hepatocarcinoma with NAT2 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow Cytometry (FC/FACS) of anti-NAT2 antibody
Flow cytometric analysis of HepG2 cells using NAT2 Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NAT2. It may not necessarily be applicable to this product.

NCBI GI #	116295260
NCBI GeneID	10
NCBI Accession #	NP_000006.2
UniProt Primary Accession #	P11245
UniProt Secondary Accession #	O43637; O60654; O60655; Q13146; Q16697; Q2MLE4; Q2MLF5; Q2MLG8; Q2MLJ6; Q2MLK4; Q2MLK6
UniProt Related Accession #	P11245
GenBank Nucleotide #	NM_000015.2
NCBI Official Full Name	arylamine N-acetyltransferase 2

NCBI Official Synonym Full Names	N-acetyltransferase 2 (arylamine N-acetyltransferase)
NCBI Official Symbol	NAT2
NCBI Official Synonym Symbols	AAC2; PNAT; NAT-2
UniProt Protein Name	Arylamine N-acetyltransferase 2
UniProt Synonym Protein Names	Arylamide acetylase 2; N-acetyltransferase type 2; NAT-2; Polymorphic arylamine N-acetyltransferase
Protein Family	Arylamine N-acetyltransferase
UniProt Gene Name	NAT2
UniProt Synonym Gene Names	AAC2; NAT-2; PNAT
UniProt Entry Name	ARY2_HUMAN
NCBI Protein Information	arylamine N-acetyltransferase 2; arylamide acetylase 2; N-acetyltransferase type 2
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