10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NAT2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant NAT2.
Catalog # AT2973a

Specification

NAT2 Antibody (monoclonal) (M01) - Product Information

Application	**WB**
Primary Accession	P11245
Other Accession	BC015878
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**33571**

NAT2 Antibody (monoclonal) (M01) - Additional Information

Gene ID 10

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

Target/Specificity
NAT2 (AAH15878, 96 a.a. ~ 195 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
NAT2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

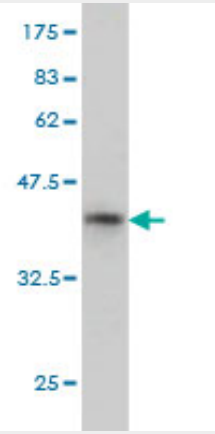
NAT2 Antibody (monoclonal) (M01) - Protocols

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

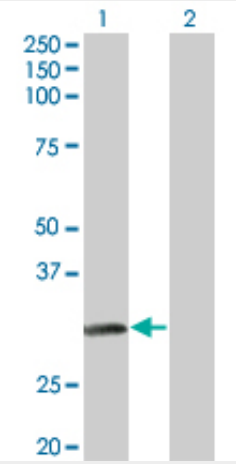
- Western Blot
- Blocking Peptides
- Dot Blot

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NAT2 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .



Western Blot analysis of NAT2 expression in transfected 293T cell line by NAT2 monoclonal antibody (M01), clone 3B5.

Lane 1: NAT2 transfected lysate(33.5 KDa).
Lane 2: Non-transfected lysate.

NAT2 Antibody (monoclonal) (M01) - Background

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).

NAT2 Antibody (monoclonal) (M01) - References

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

N-acetyltransferase-2 (NAT2) Gene Polymorphisms and Enzyme Activity in Serbs: Unprecedented High Prevalence of Rapid Acetylators in a White Population. Djordjevic N, et al. J Clin Pharmacol, 2010 Aug 27. PMID 20801937.A single nucleotide polymorphism tags variation in the arylamine N-acetyltransferase 2 phenotype in populations of European background. Garc?a-Closas M, et al. Pharmacogenet Genomics, 2010 Aug 25. PMID 20739907.Combined effect of CYP1B1 codon 432 polymorphism and N-acetyltransferase 2 slow acetylator phenotypes in relation to breast cancer in the Turkish population. Ozbek YK, et al. Anticancer Res, 2010 Jul. PMID 20683028.Polymorphisms in NAT2 gene and atherosclerosis in an Algerian population. Khelil M, et al. Arch Med Res, 2010 Apr. PMID 20682180.Pharmacogenetic analysis of lipid responses to rosuvastatin in Chinese patients. Hu M, et al. Pharmacogenet Genomics, 2010 Oct. PMID 20679960.