

Recombinant Anti-NAT1 Rabbit mAb

Catalog # AP95385

Product Information

Application	WB, FC, IF/IC
Primary Accession	P18440
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	33899

Additional Information

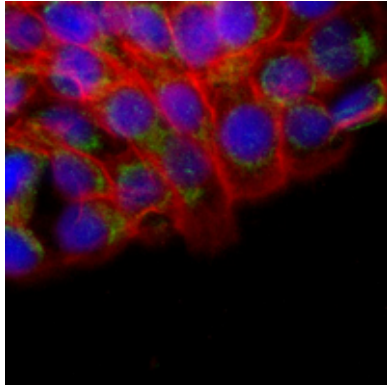
Gene ID	9
Other Names	AAC1; Arylamine N-acetyltransferase 1; Arylamide acetylase 1; Monomorphic arylamine N-acetyltransferase; MNAT; N-acetyltransferase type 1; NAT-1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human NAT1 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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.

Images

Western blot analysis of NAT1 expression in LnCaP (A) whole cell lysates. (Predicted band size: 34 kD; Observed band size: 30 kD)



Immunofluorescent analysis of NAT1 staining in LnCaP cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.