

Mouse PDE1B Monoclonal Antibody | anti-PDE1B antibody

PDE1B antibody

CATALOG # AAA107132	HOST Mouse	APPLICATIONS Western Blot, Flow Cytometry, Functional Assay
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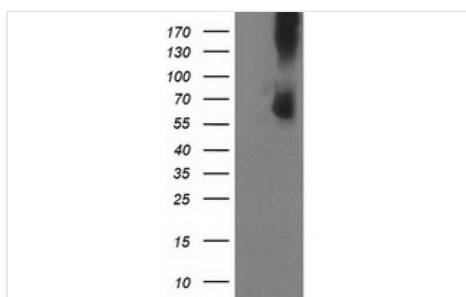
PRODUCT SYNONYMS

PDE1B; Monoclonal Antibody; PDE1B antibody; Monoclonal PDE1B; Anti-PDE1B; Phosphodiesterase 1B calmodulin-dependent; PDE1B1; PDES1B; Cam PDE 1B; Phosphodiesterase-1B; Calmodulin-stimulated phosphodiesterase PDE1B1; PDEB 1; PDEB-1; anti-PDE1B antibody

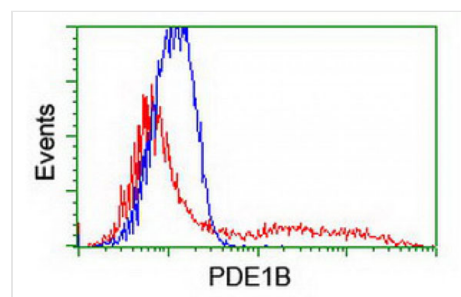
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	1D6
Purity/Purification	PDE1B antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	536
Applicable Applications for anti-PDE1B antibody	WB (Western Blot), FCM/FACS (Flow Cytometry)
Biological Significance	Cyclic nucleotide phosphodiesterases (PDEs) catalyze hydrolysis of the cyclic nucleotides cAMP and cGMP to the corresponding nucleoside 5-prime-monophosphates. Mammalian PDEs have been classified into several families based on their biochemical properties. Members of the PDE1 family, such as PDE1B, are calmodulin-dependent PDEs (CaM-PDEs) that are stimulated by a calcium-calmodulin complex.
Cross-Reactivity	Human
Immunogen	PDE1B antibody was raised in mouse using a full length recombinant protein of human PDE1B (NP_000915) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES


WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant PDE1B protein (Right) or empty vector (Left) detected with PDE1B antibody


FCM/FACS (Flow Cytometry)

Flow Cytometric analysis of HEK293T cells transfected with either recombinant PDE1B protein (red) or empty vector (blue) stained using PDE1B antibody

ADDITIONAL INFORMATION

Related Product Information for anti-PDE1B antibody	Mouse monoclonal PDE1B antibody
Product Categories/Family for anti-PDE1B antibody	Proteases ; Inhibitors ; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505677
NCBI GeneID	5153
NCBI Accession #	NP_000915
NCBI GenBank Nucleotide #	NM_000924.3
UniProt Accession #	Q01064 ; Q92825 ; Q96KP3
Molecular Weight	59,051 Da
NCBI Official Full Name	calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1B isoform 1
NCBI Official Synonym Full Names	phosphodiesterase 1B, calmodulin-dependent
NCBI Official Symbol	PDE1B
NCBI Official Synonym Symbols	PDE1B1; PDES1B; HEL-S-79p
NCBI Protein Information	calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1B
UniProt Protein Name	Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1B
UniProt Gene Name	PDE1B
UniProt Synonym Gene Names	PDE1B1; PDES1B; Cam-PDE 1B
UniProt Entry Name	PDE1B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pde1b-antibody-clone-1d6-western-blot-flow-cytometry-elisa/107132>