Mouse PDE1B Monoclonal Antibody | anti-PDE1B antibody

PDE1B antibody

CATALOG #	HOST	APPLICATIONS
AAA107328	**Mouse**	**Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay, Immunofluorescence**

PRODUCT SYNONYMS

PDE1B; Monoclonal Antibody; PDE1B antibody; Monoclonal PDE1B; Anti-PDE1B; PDE1B1; PDES1B; PDEB 1; PDEB-1; anti-PDE1B antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	6E4
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	0.5-1 mg/ml (varies by lot)
Sequence Length	458
Applicable Applications for anti-PDE1B antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), IF (Immunofluorescence)
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 full length human recombinant protein of human PDE1B produced in HEK293T cell 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

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant PDE1B protein using PDE1B antibody

IHC (Immunohistochemisry)
Immunohistochemical analysis of PDE1B protein in paraffin embedded Human Kidney tissue using PDE1B antibody

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 #	35192996
NCBI GeneID	18574
UniProt Accession #	Q01065; O35384
Molecular Weight	61,226 Da
NCBI Official Full Name	Pde1b protein
NCBI Official Synonym Full Names	phosphodiesterase 1B, Ca2+-calmodulin dependent
NCBI Official Symbol	Pde1b
NCBI Official Synonym Symbols	Pde1b1
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; Cam-PDE 1B
UniProt Entry Name	PDE1B_MOUSE

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-6e4-western-blot-immunohistochemistry-flow-cytometry-immunofluorescence-elisa/107328