

Mouse PDE4B Monoclonal Antibody | anti-PDE4B antibody

PDE4B antibody

CATALOG # AAA106796	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

PDE4B; Monoclonal Antibody; PDE4B antibody; Monoclonal PDE4B; Anti-PDE4B; Phosphodiesterase 4B Camp-Specific; Phosphodiesterase E4 Duncce Homolog Drosophila; DKFZp686F2182; DPDE4; MGC126529; PDE4B5; PDEIVB; PDEB 4; PDEB-4; anti-PDE4B antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3A10
Purity/Purification	PDE4B 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	736
Applicable Applications for anti-PDE4B antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Biological Significance	PDE4B is a member of the type IV, cyclic AMP (cAMP)-specific, cyclic nucleotide phosphodiesterase (PDE) family. Cyclic nucleotides are important second messengers that regulate and mediate a number of cellular responses to extracellular signals, such as hormones, light, and neurotransmitters. The cyclic nucleotide phosphodiesterases (PDEs) regulate the cellular concentrations of cyclic nucleotides and thereby play a role in signal transduction.
Cross-Reactivity	Human
Immunogen	PDE4B antibody was raised in mouse using a full length recombinant protein of human PDE4B (NP_002591) 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



IHC (Immunohistochemistry)

Immunohistochemical analysis of PDE4B protein in paraffin embedded Human pancreas tissue using PDE4B antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant PDE4B protein (Right) or empty vector (Left) detected with PDE4B antibody

ADDITIONAL INFORMATION

Related Product Information for anti-PDE4B antibody	Mouse monoclonal PDE4B antibody
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NCBI AND UNIPROT INFORMATION

NCBI GI #	32171241
NCBI GeneID	5142
NCBI Accession #	NP_002591
NCBI GenBank Nucleotide #	NM_002600.3
UniProt Accession #	Q07343; O15443; Q13945; Q5TEK4; Q5TEK5; Q5TEK6; A5YW33
Molecular Weight	57,709 Da
NCBI Official Full Name	cAMP-specific 3',5'-cyclic phosphodiesterase 4B isoform 1
NCBI Official Synonym Full Names	phosphodiesterase 4B, cAMP-specific
NCBI Official Symbol	PDE4B
NCBI Official Synonym Symbols	DPDE4; PDEIVB
NCBI Protein Information	cAMP-specific 3',5'-cyclic phosphodiesterase 4B
UniProt Protein Name	cAMP-specific 3',5'-cyclic phosphodiesterase 4B
UniProt Gene Name	PDE4B
UniProt Synonym Gene Names	DPDE4
UniProt Entry Name	PDE4B_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/pde4b-antibody-clone-3a10-western-blot-immunohistochemistry-flow-cytometry-elisa/106796>