

Rabbit anti-Human, Mouse PDE4B/C/D Polyclonal Antibody | anti-PDE4B antibody

PDE4B/C/D Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322587	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PDE4B/C/D; Polyclonal Antibody; PDE4B/C/D Antibody; 5"-cyclic phosphodiesterase 4B; cAMP-specific 3"; cAMP-specific 3'; 5'-cyclic phosphodiesterase 4B; cAMP-specific phosphodiesterase-4 B isoform; DKFZp686F2182; DPDE4; dunce-like phosphodiesterase E4; MGC126529; OTTHUMP00000010652; OTTHUMP00000010653; OTTHUMP00000010654; OTTHUMP00000010656; OTTHUMP00000232365; PDE 4B; PDE IVB; PDE32; Pde4b; PDE4B_HUMAN; PDE4B5; PDEIVB; Phosphodiesterase 4B; Phosphodiesterase 4B cAMP specific; cAMP specific (phosphodiesterase E4 dunce homolog; Drosophila); 5"-cyclic phosphodiesterase 4C; cAMP specific 3' 5' cyclic phosphodiesterase 4C; DPDE 1; DPDE1; MGC126222; PDE 21; PDE 4C; PDE21; Pde4c; PDE4C_HUMAN; Phosphodiesterase 4C; Phosphodiesterase 4C cAMP specific; cAMP specific (phosphodiesterase E1 dunce homolog; Phosphodiesterase E1 dunce homolog; Phosphodiesterase E1 dunce homolog Drosophila; Phosphodiesterase type 4C; cAMP specific 3'; 5' cyclic phosphodiesterase 4D; DKFZp686M11213; 5"-cyclic phosphodiesterase 4D; cAMP specific phosphodiesterase 4D; cAMP specific phosphodiesterase PDE4D6; DPDE3; Dunce like phosphodiesterase E3; FLJ97311; HSPDE4D; PDE43; Pde4d; PDE4D_HUMAN; PDE4DN2; Phosphodiesterase 4D cAMP specific (dunce (Drosophila) homolog phosphodiesterase E3); Phosphodiesterase 4D cAMP specific (phosphodiesterase E3 dunce homolog Drosophila); Phosphodiesterase 4D cAMP specific; Phosphodiesterase 4D; cAMP specific (dunce); STRK1; anti-PDE4B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	PDE4B/C/D antibody detects endogenous levels of total PDE4B/C/D
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	564
Applicable Applications for anti-PDE4B antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PDE4B/C/D
Tissue Specificity	Expressed in brain, heart, lung and skeletal muscle.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA322587 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of PDE4B/C/D using HeLa whole cell lysates



IHC (Immunohistochemistry)

AAA322587 at 1/100 staining Human brain cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-PDE4B antibody

Function: Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. May be involved in mediating central nervous system effects of therapeutic agents ranging from antidepressants to antiasthmatic and anti-inflammatory agents.
Similarity: Belongs to the cyclic nucleotide phosphodiesterase family. PDE4 subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	82799482
NCBI GeneID	5142
NCBI Accession #	NP_001032416.1
NCBI GenBank Nucleotide #	NM_001037339.2
UniProt Accession #	Q07343; O15443; Q13945; Q5TEK4; Q5TEK5; Q5TEK6; A5YW33
Molecular Weight	Observed: 76 kDa Predicted: 84 kDa
NCBI Official Full Name	cAMP-specific 3',5'-cyclic phosphodiesterase 4B isoform 2
NCBI Official Synonym Full Names	phosphodiesterase 4B
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

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.