

Rabbit anti-Mouse PDE1B Polyclonal Antibody | anti-PDE1B antibody

PDE1B Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290255	Rabbit	Mouse	Immunohistochemistry, ELISA, Western Blot

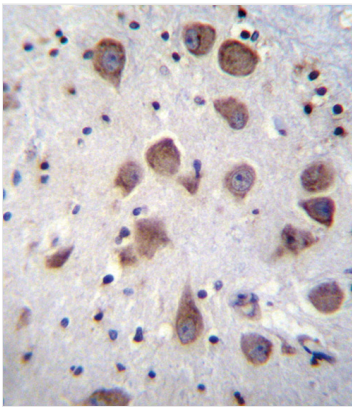
PRODUCT SYNONYMS

PDE1B; Polyclonal Antibody; PDE1B Antibody (C-term); Calcium/calmodulin-dependent 3'; 5'-cyclic nucleotide phosphodiesterase 1B; Cam-PDE 1B; 63 kDa Cam-PDE; PDE1B1; PDES1B; anti-PDE1B antibody

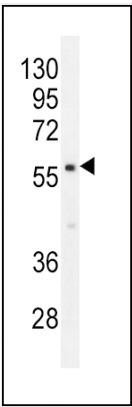
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PDE1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 473-500 amino acids from the C-terminal region of human PDE1B.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	473-500
Sequence Length	516
Applicable Applications for anti-PDE1B antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
PDE1B Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PDE1B Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
PDE1B Antibody (C-term) western blot analysis in mouse brain tissue lysates (35ug/lane).This demonstrates the PDE1B antibody detected the PDE1B protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PDE1B antibody	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 (see MIM 114180)-dependent PDEs (CaM-PDEs) that are stimulated by a calcium-calmodulin complex (Repaske et al., 1992 [PubMed 1326532]).
Product Categories/Family for anti-PDE1B antibody	Signal Transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Vandeput, F., et al. J. Biol. Chem. 282(45):32749-32757(2007) Bender, A.T., et al. Proc. Natl. Acad. Sci. U.S.A. 103(2):460-465(2006) Bender, A.T., et al. Proc. Natl. Acad. Sci. U.S.A. 102(2):497-502(2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505677
NCBI GeneID	5153
NCBI Accession #	NP_000915.1; NP_001159447.1
NCBI GenBank Nucleotide #	NM_000924.3
UniProt Accession #	Q01064; Q92825; Q96KP3
Molecular Weight	61380
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/polyclonal/pde1b-antibody-immunohistochemistry-western-blot-elisa/290255>