

Rabbit PDE1B Polyclonal Antibody | anti-PDE1B antibody

PDE1B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326586	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

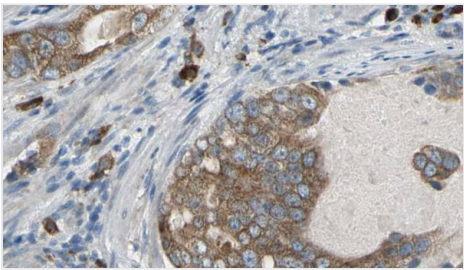
PRODUCT SYNONYMS

PDE1B; Polyclonal Antibody; PDE1B Antibody; 5"-cyclic nucleotide phosphodiesterase 1B; 63 kDa Cam PDE; 63 kDa Cam-PDE; Calcium/calmodulin dependent 3' 5' cyclic nucleotide Phosphodiesterase 1B; Calcium/calmodulin stimulated cyclic nucleotide phosphodiesterase; Calcium/calmodulin-dependent 3"; Calmodulin stimulated phosphodiesterase PDE1B1; Cam PDE 1B; Cam PDE1B; Cam-PDE 1B; PDE 1B; PDE1B_HUMAN; PDE1B1; PDES 1B; PDES1B; Phosphodiesterase 1B; Phosphodiesterase 1B calmodulin dependent; Presumed 63kDa form of the type 1 cyclic nucleotide phosphodiesterase family known as PDE1B; anti-PDE1B antibody

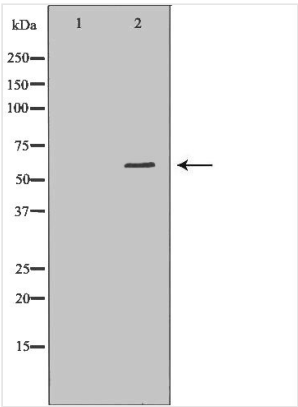
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PDE1B antibody detects endogenous levels of total PDE1B
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	536
Applicable Applications for anti-PDE1B antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PDE1B
Subcellular Location	Cytoplasm.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog
Similarity	Pig (83%), Bovine (92%), Horse (92%), Sheep (92%), Dog (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326586 at 1/100 staining Human prostate 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.



WB (Western Blot)
Western blot analysis of Mouse brain lysate, using PDE1B Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PDE1B antibody	Description: The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase (PDE) family, and PDE1 subfamily. Members of the PDE1 family are calmodulin-dependent PDEs that are stimulated by a calcium-calmodulin complex. This PDE has dual-specificity for the second messengers, cAMP and cGMP, with a preference for cGMP as a substrate. cAMP and cGMP function as key regulators of many important physiological processes. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.[provided by RefSeq, Jul 2011] Function: Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes. Has a preference for cGMP as a substrate. Subunit Structure: Homodimer. Similarity: Belongs to the cyclic nucleotide phosphodiesterase family. PDE1 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505677
NCBI GeneID	5153
NCBI Accession #	NP_000915.1
NCBI GenBank Nucleotide #	NM_000924.3
UniProt Accession #	Q01064; Q92825; Q96KP3
Molecular Weight	Observed: 61 kDa Predicted: 62 kDa
NCBI Official Full Name	calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1B isoform 1
NCBI Official Synonym Full Names	phosphodiesterase 1B
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

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/326586>