

Rabbit PDE1B Polyclonal Antibody | anti-PDE1B antibody

PDE1B Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA37283	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

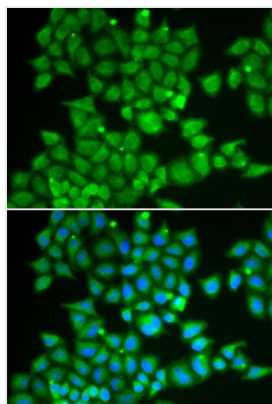
PRODUCT SYNONYMS

PDE1B; Polyclonal Antibody; PDE1B Polyclonal Antibody; PDE1B1; PDES1B; anti-PDE1B antibody

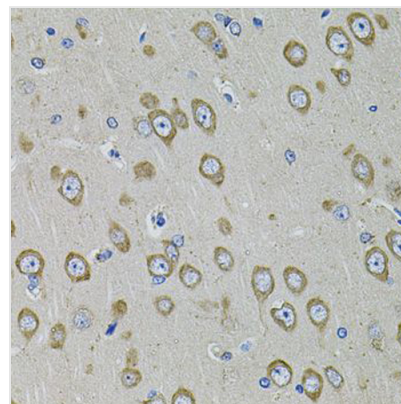
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	536
Applicable Applications for anti-PDE1B antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human PDE1B
Calculated Molecular Weight	61kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

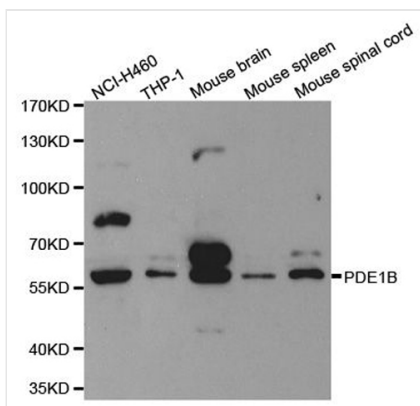
IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using PDE1B antibody. Blue: DAPI for nuclear staining.


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat brain using PDE1B antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PDE1B antibody at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-PDE1B antibody	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]
Product Categories/Family for anti-PDE1B antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	3183514
NCBI GeneID	5153
UniProt Accession #	Q01064; Q92825; Q96KP3
Molecular Weight	536
NCBI Official Full Name	Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1B
NCBI Official Synonym Full Names	phosphodiesterase 1B, calmodulin-dependent
NCBI Official Symbol	PDE1B
NCBI Official Synonym Symbols	PDE1B1; PDES1B
NCBI Protein Information	calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1B; cam-PDE 1B; 63 kDa Cam-PDE; calmodulin-stimulated phosphodiesterase PDE1B1; calcium/calmodulin-stimulated cyclic nucleotide phosphodiesterase; presumed 63kDa form of the type 1 cyclic nucleotide phosphodiesterase family known as PDE1B
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.

