

Rabbit PDE1B Polyclonal Antibody | anti-PDE1B antibody

PDE1B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA307435	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

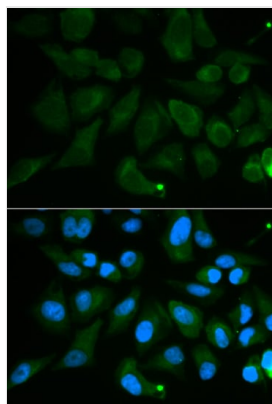
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

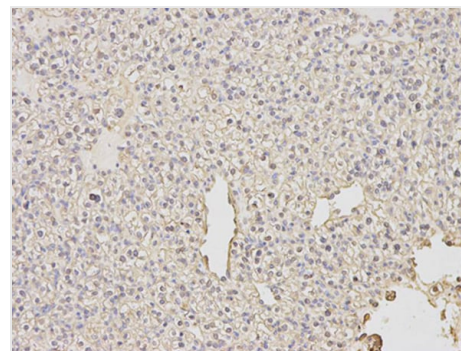
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total PDE1B protein.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	536
Applicable Applications for anti-PDE1B antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human PDE1B.
Target Name	PDE1B
Preparation and Storage	Store at -20 degree C

IMAGES



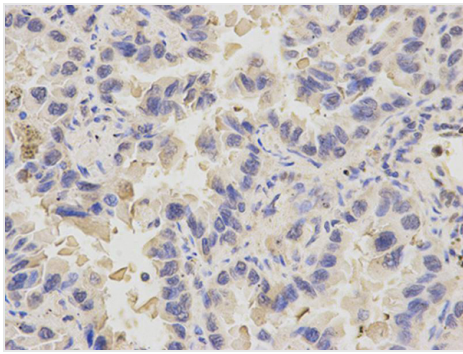
IF (Immunofluorescence)

Immunofluorescence analysis of MCF7 cell using PDE1B antibody. Blue: DAPI for nuclear staining.



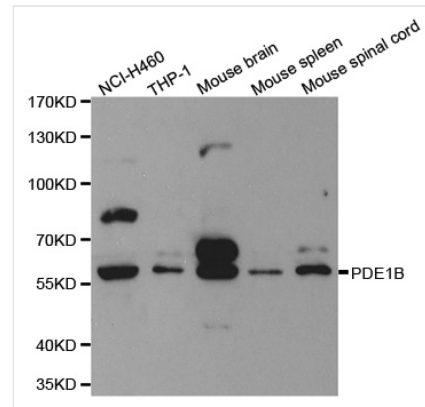
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human lung cancer using PDE1B antibody at dilution of 1:200 (400x lens).



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human kidney cancer using PDE1B antibody at dilution of 1:200 (200x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PDE1B antibody.

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.
Product Categories/Family for anti-PDE1B antibody	Total protein Ab

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	59,051 Da
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-immunofluorescence-immunohistochemistry-western-blot-elisa/307435>