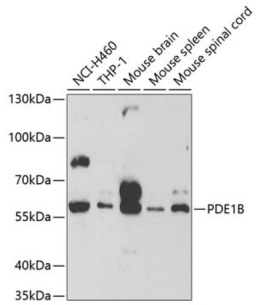
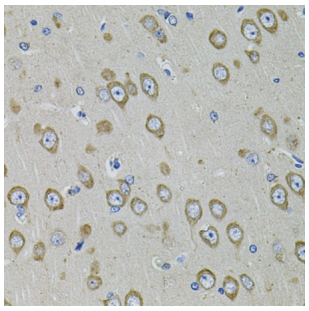
Calcium/calmodulin-Dependent 3',5'-Cyclic Nucleotide Phosphodiesterase 1B (PDE1B) Antibody

Catalogue No.:abx001714



Western blot analysis of extracts of various cell lines using PDE1B Antibody (1/500 dilution).



Immunohistochemistry of paraffin-embedded rat brain using PDE1B Antibody (1/100 dilution, 40x lens). Microwave antigen retrieval was performed in 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

PDE1B Antibody is a Rabbit Polyclonal antibody against PDE1B. 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].

Target:	Calcium/calmodulin-Dependent 3',5'-Cyclic Nucleotide Phosphodiesterase 1B (PDE1B)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	WB, IHC
Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/2000, IHC-P: 1/50 - 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein corresponding to human PDE1B

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Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q01064 (UniProt, ExPASy)
Gene Symbol:	PDE1B
GeneID:	5153
NCBI Accession:	NP_000915.1
Molecular Weight:	Calculated MW: 59 kDa/61 kDa Observed MW: 59 kDa
Buffer:	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
Concentration:	1 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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