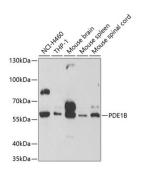
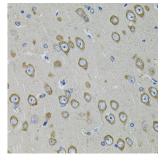


## Calcium/calmodulin-Dependent 3',5'-Cyclic Nucleotide Phosphodiesterase 1B (PDE1B) Antibody

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

## **Datasheet**

Version: 4.0.0 Revision date: 10 Jun 2025



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: <u>5153</u>

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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