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PDE1B Rabbit mAb

Catalog # AP75879

Product Information

Application	WB, IHC-P
Primary Accession	Q01064
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	61380

Additional Information

Gene ID	5153
Other Names	PDE1B
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

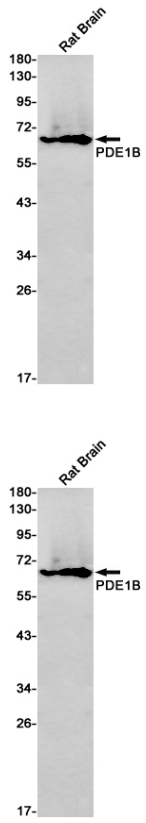
Name	PDE1B (HGNC:8775)
Synonyms	PDES1B
Function	Cyclic nucleotide phosphodiesterase with a dual specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes (PubMed:15260978, PubMed:8855339, PubMed:9419816). Has a preference for cGMP as a substrate (PubMed:9419816).
Cellular Location	Cytoplasm, cytosol.

Background

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.

Images



Western blot analysis of PDE1B in rat Brain lysates using PDE1B antibody.

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