

Anti-PDE2A Rabbit Monoclonal Antibody
Catalog # ABO16043**Specification**

Anti-PDE2A Rabbit Monoclonal Antibody - Product Information

Application	WB
Primary Accession	O00408
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-PDE2A Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

Anti-PDE2A Rabbit Monoclonal Antibody - Additional Information

Gene ID 5138

Other Names

cGMP-dependent 3', 5'-cyclic phosphodiesterase, 3.1.4.17, Cyclic GMP-stimulated phosphodiesterase, CGS-PDE, cGSPDE, PDE2A ([HGNC:8777](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=8777))

Calculated MW

106 kDa KDa

Application Details

WB 1:500-1:2000

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human PDE2A

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-PDE2A Rabbit Monoclonal Antibody - Protein Information

Name PDE2A ([HGNC:8777](#))

Function

cGMP-activated cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes (PubMed:[15938621](http://www.uniprot.org/citations/15938621), PubMed:[29392776](http://www.uniprot.org/citations/29392776), PubMed:[9210593](http://www.uniprot.org/citations/9210593)). Has a higher efficiency with cGMP compared to cAMP (PubMed:[15938621](http://www.uniprot.org/citations/15938621)). Plays a role in cell growth and migration (PubMed:[24705027](http://www.uniprot.org/citations/24705027)).

Cellular Location

[Isoform PDE2A3]: Cell membrane; Lipid- anchor [Isoform PDE2A1]: Cytoplasm

Tissue Location

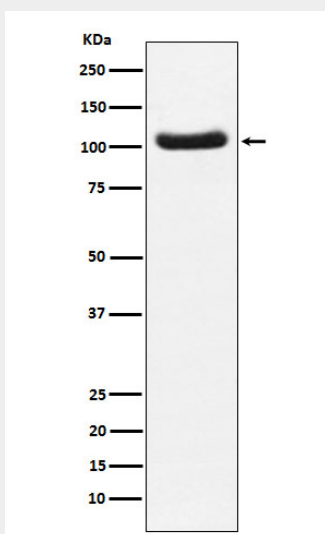
Widely expressed (PubMed:29392776, PubMed:9210593). Expressed in brain, with high expression observed in the corpus striatum (PubMed:29392776). Also expressed in heart, placenta, lung, skeletal muscle, kidney and pancreas (PubMed:29392776, PubMed:9210593)

Anti-PDE2A Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-PDE2A Rabbit Monoclonal Antibody - Images



Western blot analysis of PDE2A expression in Human fetal brain lysate.