10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-PDE2A Rabbit Monoclonal Antibody

Catalog # ABO16043

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.

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)
Calculated MW	105717
Application Details	WB 1:500-1:2000
Source	Eukaryota
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.
Clone Names	Clone: 26P22
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.

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, PubMed:29392776, PubMed:9210593). Has a higher efficiency with cGMP compared to cAMP (PubMed:15938621). Plays a role in cell growth and

migration (PubMed:24705027).

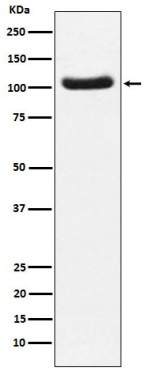
Cellular Location

[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)

Images



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

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