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PDE2A Antibody

Rabbit mAb
Catalog # AP92626

Product Information

Application	WB
Primary Accession	O00408
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	CGS PDE; cGSPDE; PDE2A; PDE2A1; PDE2A4; phosphodiesterase 2A;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	105717

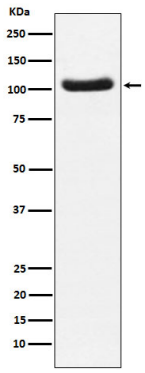
Additional Information

Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human PDE2A
Description	Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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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