

# PDE2A Antibody

Rabbit mAb

Catalog # AP92626

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">O00408</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	CGS PDE; cGSPDE; PDE2A; PDE2A1; PDE2A4; phosphodiesterase 2A;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	105717

## Additional Information

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<b>Dilution</b>	WB 1:500~1:2000
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human PDE2A
<b>Description</b>	Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes.
<b>Storage Condition and Buffer</b>	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.

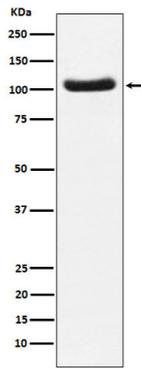
## Protein Information

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<b>Name</b>	PDE2A ( <a href="#">HGNC:8777</a> )
<b>Function</b>	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: <a href="#">15938621</a> , PubMed: <a href="#">29392776</a> , PubMed: <a href="#">9210593</a> ). Has a higher efficiency with cGMP compared to cAMP (PubMed: <a href="#">15938621</a> ). Plays a role in cell growth and migration (PubMed: <a href="#">24705027</a> ).
<b>Cellular Location</b>	[Isoform PDE2A3]: Cell membrane; Lipid- anchor [Isoform PDE2A1]: Cytoplasm
<b>Tissue Location</b>	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

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

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