

## Anti-PDE2A antibody

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<b>Description</b>	Unconjugated Rabbit polyclonal to PDE2A
<b>Model</b>	STJ190686
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Applications</b>	ELISA, WB
<b>Gene ID</b>	<a href="#">5138</a>
<b>Gene Symbol</b>	<a href="#">PDE2A</a>
<b>Dilution range</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Specificity</b>	PDE2A Polyclonal Antibody detects endogenous levels of protein.
<b>Tissue Specificity</b>	Expressed in brain and to a lesser extent in heart, placenta, lung, skeletal muscle, kidney and pancreas.
<b>Purification</b>	PDE2A antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	cGMP-dependent 3',5'-cyclic phosphodiesterase Cyclic GMP-stimulated phosphodiesterase CGS-PDE cGSPDE
<b>Molecular Weight</b>	103 kDa
<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG

<b>Formulation</b>	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="https://www.ebi.ac.uk/ENA/SRS/ENASRS/entry.do?entry=HGNC:8777OMIM:602658">HGNC:8777OMIM:602658</a>
<b>Alternative Names</b>	cGMP-dependent 3',5'-cyclic phosphodiesterase Cyclic GMP-stimulated phosphodiesterase CGS-PDE cGSPDE
<b>Function</b>	Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes.; Isoform PDE2A2: Regulates Mitochondrial cAMP Levels and Respiration.
<b>Sequence and Domain Family</b>	GAF 1 functions as a dimerization domain, whereas GAF 2 binds cGMP, which causes activation of the catalytic activity of the enzyme.
<b>Cellular Localization</b>	Isoform PDE2A3: Cell membrane Isoform PDE2A2: Mitochondrion matrix Isoform PDE2A1: Cytoplasm Isoform 5: Mitochondrion

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**St John's Laboratory Ltd**

**F** +44 (0)207 681 2580

**T** +44 (0)208 223 3081

**W** <http://www.stjohnslabs.com/>

**E** [info@stjohnslabs.com](mailto:info@stjohnslabs.com)