



# Anti-PDE2A (aa 850-940) polyclonal antibody (DPAB-DC2162)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	PDE2A (phosphodiesterase 2A, cGMP-stimulated) is a protein-coding gene, and is affiliated with the lncRNA class. Diseases associated with PDE2A include fainting, and retinal degeneration, and among its related super-pathways are Melatonin Signaling and Activation of cAMP-Dependent PKA. GO annotations related to this gene include calcium channel activity and protein homodimerization activity. An important paralog of this gene is PDE11A.
<b>Immunogen</b>	PDE2A (NP_002590, 850 a.a. ~ 940 a.a) partial recombinant protein with GST tag. The sequence is REKAYIPELQISFMEHIAMPIYKLLQDLFPKAAELYERVASNREHWTKVSHKFTIRGLPS NNSLDFLDEEYEVPLDGTAPINGCCSLDA
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">PDE2A phosphodiesterase 2A, cGMP-stimulated [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	PDE2A
<b>Synonyms</b>	PDE2A; phosphodiesterase 2A, cGMP-stimulated; PDE2A1; PED2A4; cGSPDE; CGS-PDE; cGMP-dependent 3,5-cyclic phosphodiesterase; cGMP-stimulated phosphodiesterase 1; cGMP-stimulated phosphodiesterase 4; cyclic GMP-stimulated phosphodiesterase;
<b>Entrez Gene ID</b>	<a href="#">5138</a>
<b>Protein Refseq</b>	<a href="#">NP_001137311</a>
<b>UniProt ID</b>	<a href="#">O00408</a>
<b>Chromosome Location</b>	11q13.4
<b>Pathway</b>	G alpha (s) signalling events; Hemostasis; Nitric oxide stimulates guanylate cyclase; Purine metabolism
<b>Function</b>	TPR domain binding; cAMP binding; cGMP binding; cGMP-stimulated cyclic-nucleotide phosphodiesterase activity