



# Anti-PDE1A polyclonal antibody (DPAB-DC800)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	PDE1A (phosphodiesterase 1A, calmodulin-dependent) is a protein-coding gene. Diseases associated with PDE1A include choriocarcinoma, and cytochrome p450, and among its related super-pathways are Signaling by FGFR and DAG and IP3 signaling. GO annotations related to this gene include calmodulin-dependent cyclic-nucleotide phosphodiesterase activity and calmodulin binding. An important paralog of this gene is PDE3A.
<b>Immunogen</b>	A synthetic peptide corresponding to mouse Pde1a.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Purification</b>	Affinity Purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), IP,
<b>Format</b>	Liquid
<b>Concentration</b>	0.58 mg/mL
<b>Size</b>	100 µg
<b>Buffer</b>	In 50% antibody stabilization buffer contains Tris-glycine buffer, pH 7.4 (stabilizing proteins, cryogenic stabilizers, glycerol, 0.02% sodium azide)
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at -20°C Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">Pde1a phosphodiesterase 1A, calmodulin-dependent [ Mus musculus (house mouse) ]</a>
Official Symbol	PDE1A
Synonyms	PDE1A; phosphodiesterase 1A, calmodulin-dependent; AI987702; AW125737; calcium/calmodulin-dependent 3,5-cyclic nucleotide phosphodiesterase 1A; cam-PDE 1A; 61 kDa Cam-PDE;
Entrez Gene ID	<a href="#">18573</a>
Protein Refseq	<a href="#">NP_001009978</a>
UniProt ID	<a href="#">Q9JLL9</a>
Chromosome Location	2; 2 D
Pathway	Ca-dependent events; Calcium signaling pathway; Cam-PDE 1 activation; DAP12 interactions
Function	3,5-cyclic-AMP phosphodiesterase activity; 3,5-cyclic-nucleotide phosphodiesterase activity; cGMP binding; calcium- and calmodulin-regulated 3,5-cyclic-GMP phosphodiesterase activity