



Anti-PDE1A polyclonal antibody (DPAB-DC800)

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

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	A synthetic peptide corresponding to mouse Pde1a.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purification	Affinity Purification
Conjugate	Unconjugated
Applications	WB (Recombinant protein), IP,
Format	Liquid
Concentration	0.58 mg/mL
Size	100 µg
Buffer	In 50% antibody stabilization buffer contains Tris-glycine buffer, pH 7.4 (stabilizing proteins, cryogenic stabilizers, glycerol, 0.02% sodium azide)
Preservative	0.02% Sodium Azide
Storage	Store at -20°C Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	Pde1a phosphodiesterase 1A, calmodulin-dependent [<i>Mus musculus</i> (house mouse)]
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	18573
Protein Refseq	NP_001009978
UniProt ID	Q9JLL9
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