

PDE3A Polyclonal Antibody

Catalog No :	YN0061
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	PDE3A
Fields :	>>Purine metabolism;>>Metabolic pathways;>>cGMP-PKG signaling pathway;>>cAMP signaling pathway;>>Renin secretion;>>Morphine addiction
Gene Name :	PDE3A
Protein Name :	cGMP-inhibited 3',5'-cyclic phosphodiesterase A (EC 3.1.4.17) (Cyclic GMP-inhibited phosphodiesterase A) (CGI-PDE A)
Human Gene Id :	5139
Human Swiss Prot No :	Q14432
Mouse Swiss Prot No :	Q9Z0X4
Rat Swiss Prot No :	Q62865
Immunogen :	Synthesized peptide derived from human protein . at AA range: 250-330
Specificity :	PDE3A Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability :	<u>-15°C to -25°C/1 year(Do not lower than -25°C)</u>
Observed Band :	<u>125kD</u>
Cell Pathway :	<u>Purine metabolism;Insulin_Receptor;Progesterone-mediated oocyte maturation;</u>
Background :	<u>This gene encodes a member of the cGMP-inhibited cyclic nucleotide phosphodiesterase (cGI-PDE) family. cGI-PDE enzymes hydrolyze both cAMP and cGMP, and play critical roles in many cellular processes by regulating the amplitude and duration of intracellular cyclic nucleotide signals. The encoded protein mediates platelet aggregation and also plays important roles in cardiovascular function by regulating vascular smooth muscle contraction and relaxation. Inhibitors of the encoded protein may be effective in treating congestive heart failure. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Sep 2011],</u>
Function :	<u>catalytic activity:Nucleoside 3',5'-cyclic phosphate + H(2)O = nucleoside 5'-phosphate.,enzyme regulation:Inhibited by cGMP.,function:Hydrolyzes both cyclic AMP (cAMP) and cyclic GMP (cGMP).,online information:PDE3 entry,similarity:Belongs to the cyclic nucleotide phosphodiesterase family.,</u>
Subcellular Location :	<u>Membrane ; Multi-pass membrane protein . Cytoplasm, cytosol .</u>
Expression :	<u>Blood,Epithelium,Liver,Myocardium,Penis,Platelet,</u>

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