

**PDE3A (Phospho Ser312) rabbit pAb**

<b>Catalog No :</b>	YP1737
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB
<b>Target :</b>	PDE3A
<b>Fields :</b>	>>Purine metabolism;>>Metabolic pathways;>>cGMP-PKG signaling pathway;>>cAMP signaling pathway;>>Renin secretion;>>Morphine addiction
<b>Gene Name :</b>	PDE3A
<b>Protein Name :</b>	PDE3A (Phospho-Ser312)
<b>Human Gene Id :</b>	5139
<b>Human Swiss Prot No :</b>	Q14432
<b>Mouse Gene Id :</b>	54611
<b>Mouse Swiss Prot No :</b>	Q9Z0X4
<b>Rat Gene Id :</b>	50678
<b>Rat Swiss Prot No :</b>	Q62865
<b>Immunogen :</b>	Synthesized peptide derived from human PDE3A (Phospho-Ser312)
<b>Specificity :</b>	This antibody detects endogenous levels of PDE3A (Phospho-Ser312) at Human, Mouse,Rat
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000

**Purification :** The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.

**Concentration :** 1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Molecularweight :** 126kD

**Background :** 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],

**Function :** 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.,

**Subcellular Location :** Membrane ; Multi-pass membrane protein . Cytoplasm, cytosol .

**Expression :** Blood,Epithelium,Liver,Myocardium,Penis,Platelet,

## Products Images



Western Blot analysis of HeLa using primary antibody at 1:1000 dilution 4°C, overnight. Secondary antibody(catalog#:RS23920) was diluted at 1:10000 25°C 1.5hours