



# PDE3A (Phospho-Ser312) mouse mAb

|                    |   |
|--------------------|---|
| Catalog No         | BYmab-10508   |
| Isotype            | IgG   |
| Reactivity         | Human; Mouse;Rat  |
| Applications       | WB  |
| Gene Name          | PDE3A   |
| Protein Name       | PDE3A (Phospho-Ser312)  |
| Immunogen          | Synthesized peptide derived from human PDE3A (Phospho-Ser312)   |
| Specificity        | This antibody detects endogenous levels of PDE3A (Phospho-Ser312) at Human, Mouse,Rat   |
| Formulation        | Liquid in PBS containing 50% glycerol, and 0.164% sodium azide.   |
| Source             | Monoclonal, Mouse,IgG   |
| Purification       | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  |
| Dilution           | WB 1:500-2000   |
| Concentration      | 1 mg/ml   |
| Purity             | ≥90%  |
| Storage Stability  | -20°C/1 year  |
| Synonyms           | cGMP-inhibited 3',5'-cyclic phosphodiesterase A (EC 3.1.4.17) (Cyclic GMP-inhibited phosphodiesterase A) (CGI-PDE A)  |
| Observed Band      |   |
| Cell Pathway       | Membrane ; Multi-pass membrane protein . Cytoplasm, cytosol .   |
| Tissue Specificity | Blood,Epithelium,Liver,Myocardium,Penis,Platelet,   |
| 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.,   |
| 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 |

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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],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using PDE3A (Phospho-Ser312) mouse mAb