



PDE1B Polyclonal Antibody

Catalog No	YP-Ab-05395
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	PDE1B PDE1B1 PDES1B
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PDE1B Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	63 kDa Cam PDE;Cam PDE 1B;PDE1B;PDE1B1;PDES1B;PDE1B PDE1B1 PDES1B;Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1B (Cam-PDE 1B) (EC 3.1.4.17) (63 kDa Cam-PDE)
Observed Band	61 kDa
Calculated Molecular Weight	536 aa, 61 kDa
Cell Pathway	Cytoplasm, cytosol .
Tissue Specificity	Brain,Human uterus,Testis,
Function	catalytic activity:Nucleoside 3',5'-cyclic phosphate + H(2)O = nucleoside 5'-phosphate.,enzyme regulation:Type I PDE are activated by the binding of calmodulin in the presence of Ca(2+).,function:Has a preference for cGMP as a substrate.,similarity:Belongs to the cyclic nucleotide phosphodiesterase family., subunit:Homodimer.,
Background	The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase (PDE) family, and PDE1 subfamily. Members of the PDE1 family are calmodulin-dependent PDEs that are stimulated by a calcium-calmodulin complex. This PDE has dual-specificity for the second messengers, cAMP and cGMP, with a preference for cGMP as a substrate. cAMP and cGMP



function as key regulators of many important physiological processes. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.[provided by RefSeq, Jul 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