

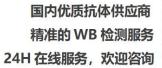


PDE1B Monoclonal Antibody

Isotype Reactivity Applications Gene Name Protein Name Immunogen Specificity Formulation Source Purification Dilution Concentration Purity	BYmab-05395 IgG Human;Rat;Mouse; WB PDE1B PDE1B1 PDES1B Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1B (Cam-PDE 1B) (EC 3.1.4.17) (63 kDa Cam-PDE) Synthesized peptide derived from part region of human protein
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Immunogen Specificity Formulation Source Purification Dilution Concentration Purity	
Specificity Formulation Source Purification Dilution Concentration Purity	Synthesized peptide derived from part region of human protein
Formulation Source Purification Dilution Concentration Purity	
Source Purification Dilution Concentration Purity	PDE1B Monoclonal Antibody detects endogenous levels of protein.
Purification Dilution Concentration Purity	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Dilution Concentration Purity	Monoclonal, Mouse,IgG
Concentration Purity	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Purity	WB 1:500-2000
,	1 mg/ml
Storage Stability	≥90%
	-20°C/1 year
Synonyms	
Observed Band	58kD
Cell Pathway	Cytoplasm, cytosol .
Tissue Specificity	Brain,Human uterus,Testis,
	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.,
	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.

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	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.

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