

## Mouse Monoclonal Antibody to PDE1B

<b>Catalogue Number</b>	sAP-0972
<b>Target Molecule</b>	<b>Name:</b> PDE1B <b>Aliases:</b> PDE1B1; PDES1B <b>MW:</b> 61.4kDa <b>Entrez Gene ID:</b> 5153
<b>Description</b>	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. ; ;
<b>Immunogen</b>	Purified recombinant fragment of human PDE1B (AA: 370-536 ) expressed in E. Coli.
<b>Reactive Species</b>	Human;
<b>Clone</b>	MM5C4A3;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1.J Biol Chem. 2007 Nov 9;282(45):32749-57. ; 2.Proc Natl Acad Sci U S A. 2005 Jan 11;102(2):497-502. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**