

Product Name: PDE1B Mouse Monoclonal Antibody**Catalog #: AMM83048**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	ELISA,FC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	61.4kDa

Antigen Information

Gene Name	PDE1B
Alternative Names	PDE1B1; PDES1B
Gene ID	5153.0
SwissProt ID	Q01064
Immunogen	Purified recombinant fragment of human PDE1B (AA: 370-536) expressed in E. Coli.

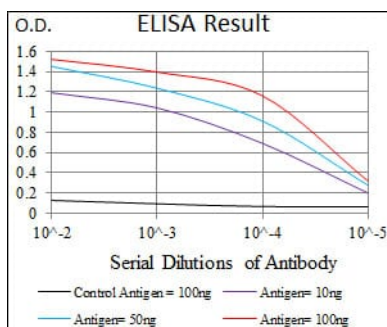
Background

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

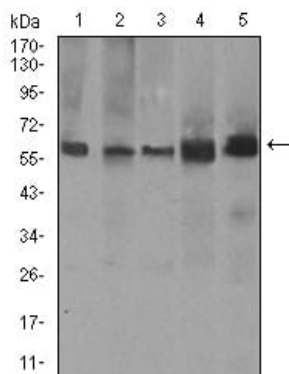
function as key regulators of many important physiological processes. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.

Research Area

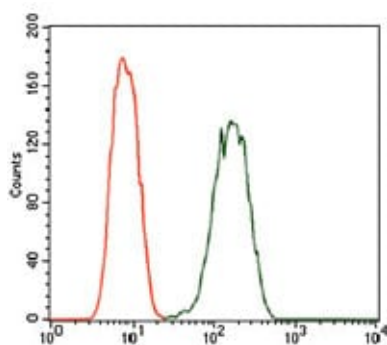
Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Western blot analysis using PDE1B mouse mAb against A549 (1), SK-MES-1 (2), PC-12 (3), NIH3T3 (4), and 3T3-L1 (5) cell lysate.



Flow cytometric analysis of A549 cells using PDE1B mouse mAb (green) and negative control (red).