

## PDE1B monoclonal antibody

Catalog: MB23506

Host: Mouse

Reactivity: Human, Mouse, Monkey

### 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.

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

61.4kDa

### Swiss-Prot:

Q01064

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

FC:1/200 - 1/400

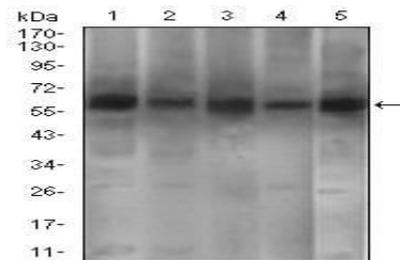
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

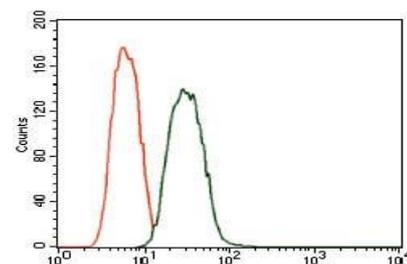
### Isotype:

Mouse IgG1

### DATA:



Western blot analysis using PDE1B mouse mAb against A549 (1), SK-MES-1 (2), PC-12 (4), 3T3L1 (5) cell lysate and Mouse brain (3) tissue lysate.



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

### Note:

For research use only, not for use in diagnostic procedure.

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