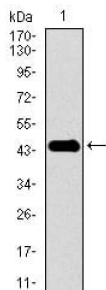
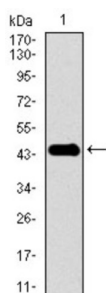


Calcium/calmodulin-Dependent 3',5'-Cyclic Nucleotide Phosphodiesterase 1B (PDE1B) Antibody

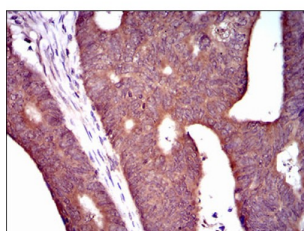
Catalogue No.: abx015959



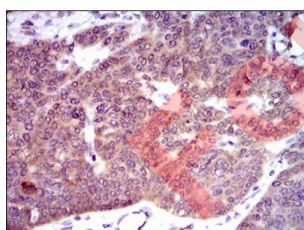
Western blot analysis using PDE1B antibody against human PDE1B recombinant protein. (Expected MW is 44.4 kDa).



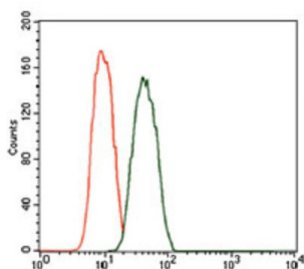
Western blot analysis using PDE1B antibody against HEK293 (1) and PDE1B (AA: 370-536) - hlgGfc transfected HEK293 (2) cell lysate.



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



Immunohistochemical analysis of paraffin-embedded ovarian cancer tissues using PDE1B antibody with DAB staining.

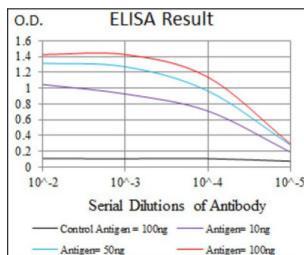


Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using PDE1B antibody with DAB staining.

Datasheet

Version: 5.0.0

Revision date: 06 Sep 2025



Red: Control Antigen (100ng) ; Purple: Antigen (10ng) ; Green: Antigen (50ng) ; Blue: Antigen (100ng).

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.

Target: Calcium/calmodulin-Dependent 3',5'-Cyclic Nucleotide Phosphodiesterase 1B (PDE1B)

Clonality: Monoclonal

Reactivity: Human

Tested Applications: ELISA, IHC, FCM

Host: Mouse

Recommended dilutions: ELISA: 1/10000, IHC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Purified recombinant fragment of human PDE1B (AA: 370-536) expressed in E. coli.

Isotype: IgG₁

Form: Liquid

Purification: Unpurified ascites.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: Q01064 ([UniProt](#), [ExPASy](#))

Gene Symbol: PDE1B

GeneID: [5153](#)

Datasheet

Version: 5.0.0

Revision date: 06 Sep 2025



OMIM: [171891](#)

HGNC: 8775

Ensembl: ENSG00000123360

Molecular Weight: 61.4 kDa

Buffer: Ascitic fluid containing 0.03% sodium azide.

Concentration: Not determined.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only