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Pde2a antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13939

Specification

Pde2a antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q01062
Other Accession	NM_001143847, NP_001137319
Reactivity	**Human, Mouse, Rat, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**104kDa KDa**

Pde2a antibody - N-terminal region - Additional Information

Gene ID 81743

Alias Symbol	**Pde2, Pde2a2, Pde2a**

Other Names
cGMP-dependent 3', 5'-cyclic phosphodiesterase, 3.1.4.17, Cyclic GMP-stimulated phosphodiesterase, CGS-PDE, cGSPDE, Pde2a

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-Pde2a antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
Pde2a antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Pde2a antibody - N-terminal region - Protein Information

Name Pde2a {ECO:0000312|RGD:620965}

Function
cGMP-activated cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes. Has a higher efficiency with cGMP compared to cAMP (By similarity). Plays a role in cell growth and migration (By similarity).

Cellular Location
[Isoform PDE2A3]: Cell membrane {ECO:0000250|UniProtKB:O00408}; Peripheral membrane

protein [Isoform PDE2A2]: Mitochondrion matrix. Mitochondrion inner membrane. Mitochondrion outer membrane

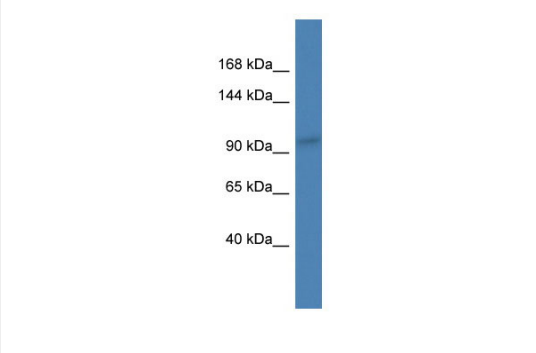
Tissue Location
Expressed in brain and liver.

Pde2a antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Pde2a antibody - N-terminal region - Images



WB Suggested Anti-Pde2a Antibody Titration: 1.0 µg/ml
Positive Control: Rat Brain

Pde2a antibody - N-terminal region - References

Yang Q.,et al.Biochem. Biophys. Res. Commun. 205:1850-1858(1994).
Repaske D.R.,et al.J. Biol. Chem. 267:18683-18688(1992).