

Pde4d antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13980**Specification**

Pde4d antibody - N-terminal region - Product Information

Application	WB
Primary Accession	Q01063
Other Accession	NM_011056 , NP_035186
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog
Predicted Host	Human, Mouse, Rat, Rabbit, Pig, Horse
Clonality	Rabbit
Calculated MW	Polyclonal 84kDa KDa

Pde4d antibody - N-terminal region - Additional Information**Gene ID** 238871**Alias Symbol** 9630011N22Rik, Dpde3**Other Names**

cAMP-specific 3', 5'-cyclic phosphodiesterase 4D, 3.1.4.53, DPDE3, Pde4d

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-Pde4d 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

Pde4d antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Pde4d antibody - N-terminal region - Protein Information**Name** Pde4d**Function**

Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes.

Cellular Location

Cytoplasm. Membrane. Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Apical cell membrane. Note=Colocalized with SHANK2 to the apical membrane of colonic crypt cells (By similarity). Found in the soluble fraction, associated with membranes, and associated with the cytoskeleton and the centrosome.

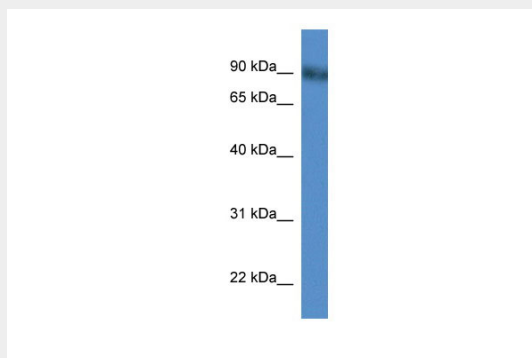
Tissue Location

Expressed in brain (at protein level). Isoform 7 is detected in heart, brain, lung, kidney and testis

Pde4d 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 Cytometry](#)
- [Cell Culture](#)

Pde4d antibody - N-terminal region - Images

WB Suggested Anti-Pde4d Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:1562500

Positive Control: Mouse Brain

Pde4d antibody - N-terminal region - References

Wang D., et al. Cell. Signal. 15:883-891(2003).

Chai H., et al. Submitted (SEP-2003) to the EMBL/GenBank/DDBJ databases.

Carninci P., et al. Science 309:1559-1563(2005).

Church D.M., et al. PLoS Biol. 7:E1000112-E1000112(2009).

Repaske D.R., et al. J. Biol. Chem. 267:18683-18688(1992).