

Pde4d antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI13980

Product Information

Application	WB
Primary Accession	Q01063
Other Accession	NM_011056 , NP_035186
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	84563

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.

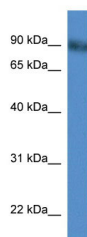
Protein Information

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

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).

Images



WB Suggested Anti-Pde4d Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:1562500
Positive Control: Mouse Brain

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.