



## PDE4D3 Antibody

CATALOG NUMBER: 46-152



Western Blot (0.01ug/ml) staining of Rat Brain lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Specifications

|                             |  |
|-----------------------------|--|
| <b>SPECIES REACTIVITY:</b>  | Rat  |
| <b>TESTED APPLICATIONS:</b> | ELISA, WB  |
| <b>APPLICATIONS:</b>        | ELISA: antibody detection limit dilution 1:128000. Western Blot: Approx 75kDa band observed in Rat Brain lysates (calculated MW of 76.5kDa according to human NP_006194.2). Recommended concentration: 0.01-0.03ug/ml. |
| <b>POSITIVE CONTROL:</b>    | 1) Cat. No. 1463 - Rat Brain Tissue Lysate   |
| <b>SPECIFICITY:</b>         | This antibody is expected to recognize isoform 3 (NP_006194.2) only.   |
| <b>IMMUNOGEN:</b>           | PDE4D3 antibody was raised against an 11 amino acid synthetic peptide near the N-Terminus of PDE4D3.   |
| <b>HOST SPECIES:</b>        | Goat   |

### Properties

|                            |   |
|----------------------------|---|
| <b>PURIFICATION:</b>       | PDE4D3 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| <b>PHYSICAL STATE:</b>     | Liquid  |
| <b>BUFFER:</b>             | PDE4D3 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.  |
| <b>CONCENTRATION:</b>      | 500 ug/mL   |
| <b>STORAGE CONDITIONS:</b> | Aliquot and store at -20°C. Minimize freezing and thawing.  |
| <b>CLONALITY:</b>          | Polyclonal  |
| <b>CONJUGATE:</b>          | Unconjugated  |

### Additional Info

|                         |                                      |
|-------------------------|--------------------------------------|
| <b>ALTERNATE NAMES:</b> | PDE4D3, phosphodiesterase 4D3, DPDE3 |
| <b>ACCESSION NO.:</b>   | AAA97892.1                           |
| <b>PROTEIN GI NO.:</b>  | 1236959                              |
| <b>OFFICIAL SYMBOL:</b> | PDE4D                                |

GENE ID: 5144

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### Background

**REFERENCES:** 1) Houslay, M.D., Baillie, G.S. and Maurice, D.H. cAMP-Specific phosphodiesterase-4 enzymes in the cardiovascular system: a molecular toolbox for generating compartmentalized cAMP signaling. *Circ Res.* 2007 Apr 13;100(7):950-66. Review.

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FOR RESEARCH USE ONLY

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