

PDE4D

Reactivity:Human Mouse Rat

Tested applications:WB IHC IF

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:20 - 1:100

Calculated MW:91kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human PDE4D

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

DPDE3; HSPDE4D; PDE4DN2; STRK1;

Catalog #:A1659

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:5144

Isotype:IgG

Swiss Prot:Q08499

Purity:Affinity purification

For research use only.

Background:

PDE4D(cAMP-specific 3',5'-cyclic phosphodiesterase 4D) is also named as DPDE3, PDE43 and belongs to the cyclic nucleotide phosphodiesterase family and PDE4 subfamily. PDE4D subtype may be of particular importance as an antidepressant target in that it is regulated by repeated treatment with both norepinephrine and serotonin reuptake inhibitors as well as by the PDE4 inhibitor rolipram(PMID:16730340). It has at least 9 isoforms and all 9 PDE4D isoforms are expressed in healthy adult human hippocampus and in hippocampus from a patient with advanced Alzheimer disease(PMID:17353396). This antibody is specific to PDE4D.

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