

For Research Use Only

PDE4D Recombinant monoclonal antibody, PBS Only

Catalog Number: 86745-1-PBS



Basic Information

Catalog Number: 86745-1-PBS	GenBank Accession Number: BC036319	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 5144	CloneNo.: 251427D3
Isotype: IgG	UNIPROT ID: Q08499	
Immunogen Catalog Number: AG3588	Full Name: phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	
	Calculated MW: 809 aa, 91 kDa	
	Observed MW: 91 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

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 some isoforms, and all the PDE4D isoforms are expressed in healthy adult human hippocampus and in hippocampus from a patient with advanced Alzheimer's disease (PMID:17353396).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

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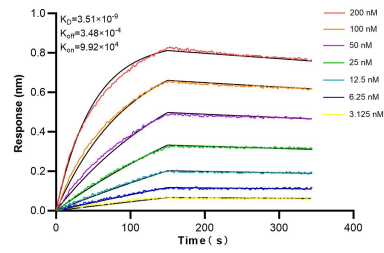
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Selected Validation Data



Mouse pancreas tissue were subjected to SDS PAGE followed by western blot with 86745-1-RR (PDE4D antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86745-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86745-1-RR against Human PDE4D were performed. The affinity constant is 3.51 nM.