

For Research Use Only

Multi-rAb® PDE4D Multi-Recombinant antibody

Catalog Number: RMX00108



Basic Information

Catalog Number: RMX00108	GenBank Accession Number: BC036319	Purification Method: N/A
Size: 100ul , Concentration: 1140 µg/ml by Nanodrop;	GeneID (NCBI): 5144	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:500-1:2000 IF/ICC: 1:550-1:2200
Source: Rabbit	UNIPROT ID: Q08499	
Isotype: IgG	Full Name: phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	
	Calculated MW: 809 aa, 91 kDa	
	Observed MW: 66-84 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : HeLa cells, U2OS cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human placenta tissue,
	IF/ICC : A431 cells,

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 disease(PMID:17353396).

Storage

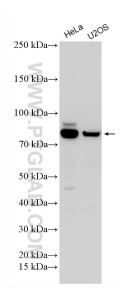
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

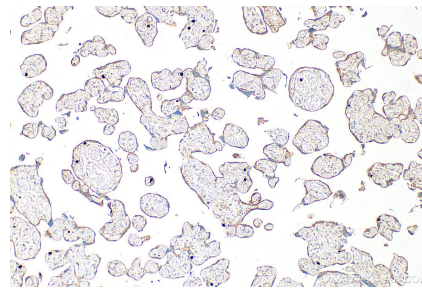
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

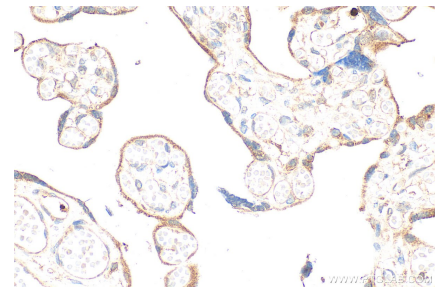
Selected Validation Data



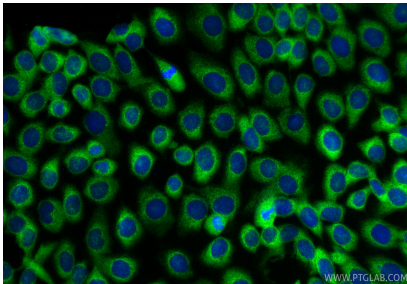
Various lysates were subjected to SDS PAGE followed by western blot with RMX00108 (PDE4D antibody) at dilution of 1:12000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using RMX00108 (PDE4D antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using RMX00108 (PDE4D antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using PDE4D antibody (RMX00108) at dilution of 1:1100 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).