

For Research Use Only

PDE3B Recombinant antibody

Catalog Number: 85996-1-RR



Basic Information

Catalog Number: 85996-1-RR	GenBank Accession Number: BC136565	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5140	CloneNo.: 250460H7
Source: Rabbit	UNIPROT ID: Q13370	Recommended Dilutions: WB: 1:2000-1:10000 IHC: 1:500-1:2000
Isotype: IgG	Full Name: phosphodiesterase 3B, cGMP-inhibited	
Immunogen Catalog Number: AG19190	Calculated MW: 1112 aa, 124 kDa	
	Observed MW: 124 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : HeLa cells, mouse adipose tissue, Jurkat 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 : mouse adipose tissue,

Background Information

PDE3B is a cyclic nucleotide phosphodiesterase with dual specificity for cAMP and cGMP. It plays crucial roles in regulating physiological processes such as angiogenesis and cardiac contractility. PDE3B can be activated by insulin and is involved in the antilipolytic actions of insulin. Additionally, PDE3B forms macromolecular complexes that are important for its activation and interaction with other proteins (PMID: 22001403, PMID: 26031333).

Storage

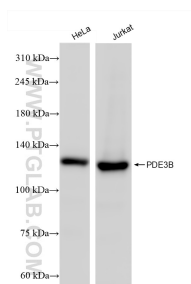
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 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

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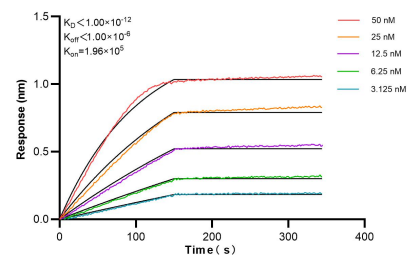
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85996-1-RR (PDE3B antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse adipose tissue slide using 85996-1-RR (PDE3B antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 85996-1-RR against Human PDE3B were performed. The affinity constant is below 1 pM.