

For Research Use Only

PDE8A Polyclonal antibody

Catalog Number: 13956-1-AP **3 Publications**



Basic Information

Catalog Number: 13956-1-AP	GenBank Accession Number: BC060762	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 µg/ml by Nanodrop and 420 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5151	Recommended Dilutions: WB 1:500-1:2400 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB IHC 1:20-1:200
Source: Rabbit	Full Name: phosphodiesterase 8A	
Isotype: IgG	Calculated MW: 93 kDa	
Immunogen Catalog Number: AG5069	Observed MW: 93 kDa, 88 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : mouse testis tissue, mouse spleen tissue, SH-SY5Y cells IP : mouse testis tissue, IHC : human colon cancer tissue,
Cited Applications: IF, WB	
Species Specificity: human, mouse	
Cited Species: mouse, pig	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

PDE8A (high affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8A) belongs to the cyclic nucleotide phosphodiesterase family and PDE8 subfamily. PDE8A plays a critical role in the modulation of at least one compartment of cAMP and hence PKA activity during β -adrenergic receptor (β AR) activation in ventricular myocytes (PMID:20353794). The full length protein contains several sites for protein phosphorylation, N-glycosylation, N-myristoylation, and amidation. It has 5 isoforms produced by alternative splicing with the molecular mass of 93 kDa, 88 kDa, 51 kDa and the isoform 4 and 5 have the same molecular mass of 66 kDa. (PMID:11738832).

Notable Publications

Author	Pubmed ID	Journal	Application
Matthew Riopel	32534258	Mol Metab	WB
Annick Bergeron	26724956	Reprod Fertil Dev	
Amel Lounas	31462694	Sci Rep	WB,IF

Storage

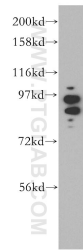
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

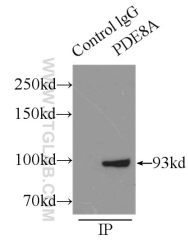
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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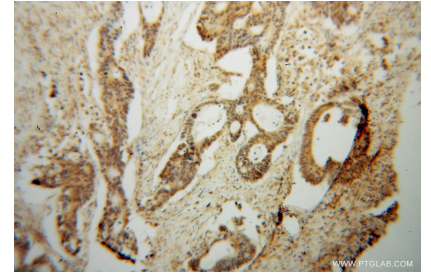
Selected Validation Data



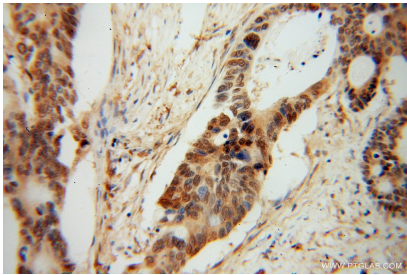
mouse testis tissue were subjected to SDS PAGE followed by western blot with 13956-1-AP (PDE8A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP Result of anti-PDE8A (IP:13956-1-AP, 5ug; Detection:13956-1-AP 1:1000) with mouse testis tissue lysate 8000ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 13956-1-AP (PDE8A antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer using 13956-1-AP (PDE8A antibody) at dilution of 1:100 (under 40x lens).