

PDE8A Polyclonal Antibody

Catalog number: 13956-1-AP

Size: 63 µg/150 µl

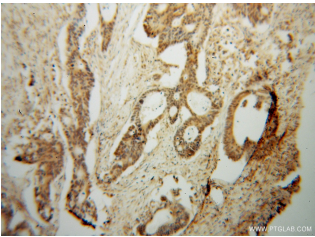
Source: Rabbit

Isotype: IgG

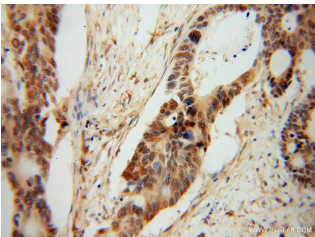
Synonyms:

PDE8A; FLJ16150, HsT19550,

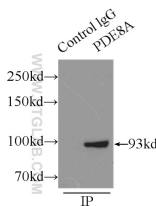
PDE8A, phosphodiesterase 8A



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



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



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

Background

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 (βAR) 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).

Applications

Tested applications:	ELISA, WB, IHC, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated PDE8A MW:	93kd
Observed PDE8A MW:	93kd, 88kd
Positive WB detected in	Mouse testis tissue
Positive IP detected in	Mouse testis tissue
Positive IHC detected in	Human colon cancer tissue
Recommended dilution:	WB: 1:500-1:5000
	IP: 1:500-1:5000
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag5069
GenBank accession number:	BC060762
Gene ID (NCBI):	5151
Full name:	Phosphodiesterase 8A

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.