

For Research Use Only

HTR3A Polyclonal antibody

Catalog Number: 29685-1-AP



Basic Information

Catalog Number: 29685-1-AP	GenBank Accession Number: BC002354	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 ug/ml by Nanodrop;	GeneID (NCBI): 3359	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P46098	
Isotype: IgG	Full Name: 5-hydroxytryptamine (serotonin) receptor 3A	
Immunogen Catalog Number: AG31317	Calculated MW: 55 kDa	
	Observed MW: 55 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: Human, Mouse	WB : mouse lung tissue, mouse testis tissue
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 small intestine tissue,

Background Information

HTR3A (5-hydroxytryptamine receptor 3A, 5-HT3A) belongs to the ligand-gated ion channel receptor superfamily. It is the subunit A of the type 3 receptor for 5-hydroxytryptamine (5-HT, serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. So far, five distinct 5-HT3 receptor subunits (A-E) have been identified. HTR3A can form functional homomers or heteromers with HTR3B or HTR3C or HTR3D or HTR3E. 5-HT3 receptors are capable of mediating fast excitatory neurotransmission in the CNS and peripheral nervous system (PNS). (PMID: 23038271; 17073663)

Storage

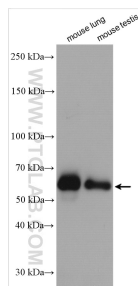
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

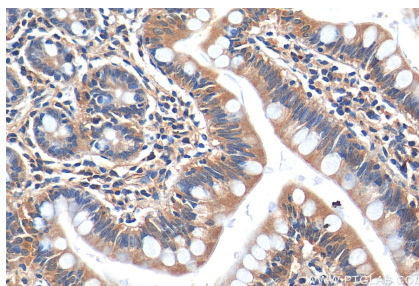
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29685-1-AP (HTR3A antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 29685-1-AP (HTR3A antibody) at dilution of 1:200 (under 40x lens).