For Research Use Only

HTR3A Polyclonal antibody

Catalog Number:29685-1-AP 6 Publications

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Basic Information

Catalog Number:
29685-1-AP

Size:
150ul , Concentration: 600 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG31317

GenBank Accession Number:
BC002354

GeneID (NCBI):
3359

UNIPROT ID:
P46098

Full Name:
5-hydroxytryptamine (serotonin) receptor 3A

Calculated MW:
55 kDa

Observed MW:
55 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:1000-1:8000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB, IHC

Species Specificity:
human, mouse

Cited Species:
human, mouse

Positive Controls:

WB : mouse lung tissue, mouse testis 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)

Notable Publications

Author	Pubmed ID	Journal	Application
Jingyan Guo	42616448	J Agric Food Chem	
Zhenyang Li	42349797	Virus Res	
Li Cui	41643969	Int J Biol Macromol	WB

Storage

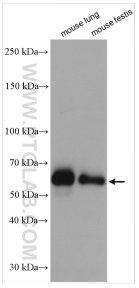
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 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

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 29685-1-AP (HTR3A antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.