

For Research Use Only

HTR7 Polyclonal antibody

Catalog Number: 13830-1-AP

6 Publications



Basic Information

Catalog Number:

13830-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4742

GenBank Accession Number:

BC047526

GeneID (NCBI):

3363

UNIPROT ID:

P34969

Full Name:

5-hydroxytryptamine (serotonin) receptor 7 (adenylate cyclase-coupled)

Calculated MW:

445 aa, 49 kDa

Observed MW:

50-55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : mouse brain tissue, mouse spleen tissue

IHC : human brain tissue,

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

Serotonin (5-hydroxytryptamine; 5-HT) acts as a neurotransmitter and neuromodulator in the central nervous system (CNS) (PMID:23100172). The behavioral effects of 5-HT are mediated by a large family of specific 5-HT receptors. HTR7 (5-hydroxytryptamine receptor 7) is a G protein-coupled receptor (GPCR), and many transcription factors can bind to its promoter, such as AP2, EGR-1, and MAZ (PMID:34164474). It is located in different brain regions, such as the hypothalamus, thalamus, cerebral cortex, and hippocampus (PMID:29637287). HTR7 is associated with circadian rhythm, anxiety, depression, schizophrenia, nociception, and memory (PMID:9154233).

Notable Publications

Author	Pubmed ID	Journal	Application
Flora Reverchon	36289679	Biomedicines	FC
Wen-Kai Bi	32171529	Biochem Biophys Res Commun	WB
Xiaohui Du	32210580	Onco Targets Ther	WB

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

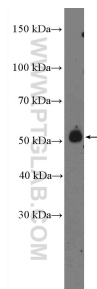
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

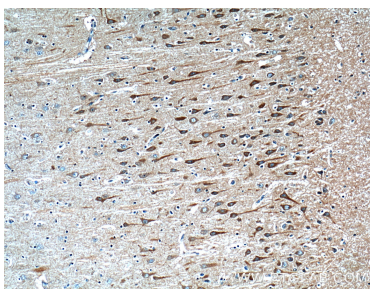
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

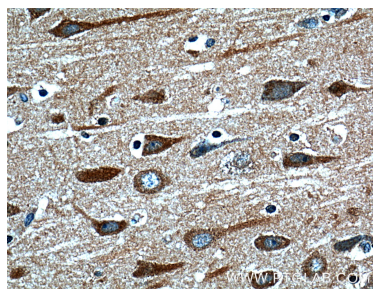
Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 13830-1-AP (HTR7 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 13830-1-AP (HTR7 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 13830-1-AP (HTR7 Antibody) at dilution of 1:200 (under 40x lens).