

For Research Use Only

HTR7 Polyclonal antibody

Catalog Number: 13830-1-AP

6 Publications



Basic Information

Catalog Number:

13830-1-AP

Size:

500 µg/ml

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:

IHC, WB, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse brain tissue, mouse spleen tissue

IHC : human brain tissue,

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

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

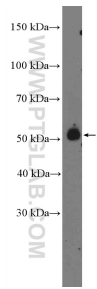
T: 4006900926

E: Proteintech-CN@ptglab.com

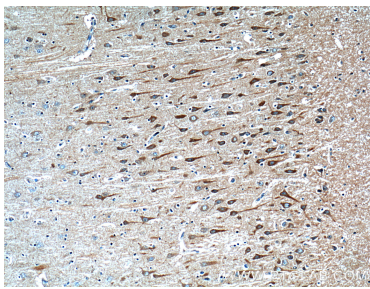
W: ptgcn.com

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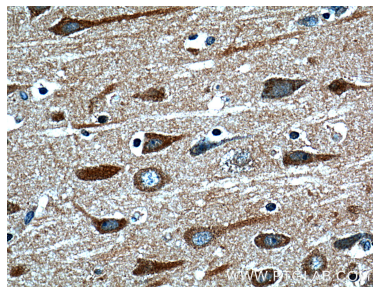
Selected Validation Data



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).