

For Research Use Only

# HTR7 Polyclonal antibody

Catalog Number: 29238-1-AP



## Basic Information

Catalog Number:

29238-1-AP

Size:

550 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30856

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

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

## Applications

Tested Applications:

IHC, ELISA

Species Specificity:

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:

IHC : mouse cerebellum tissue, mouse brain tissue

## Background Information

The 5-hydroxytryptamine receptor 7 (HTR7), also known as 5-HT7, is a G protein-coupled receptor that is activated by the neurotransmitter serotonin (5-HT). It is involved in the G protein-coupled receptor signaling pathway, coupled to cyclic nucleotide second messenger and chemical synaptic transmission. It is expressed in several structures, including adipose tissue, the alimentary system, the brain, the immune system, and the reproductive system.

## 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:

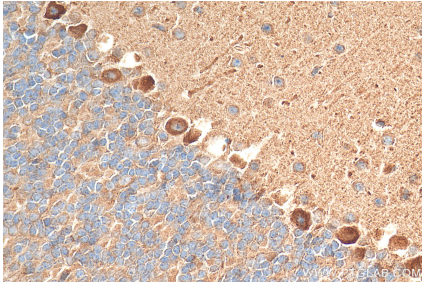
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

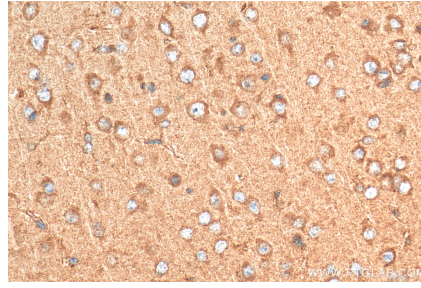
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 29238-1-AP (HTR7 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 29238-1-AP (HTR7 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).