

For Research Use Only

# 5HT2A Receptor Polyclonal antibody

Catalog Number: 26438-1-AP



## Basic Information

Catalog Number:

26438-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24056

GenBank Accession Number:

BC074848

GeneID (NCBI):

3356

UNIPROT ID:

P28223

Full Name:

5-hydroxytryptamine (serotonin) receptor 2A

Calculated MW:

471 aa, 53 kDa

Observed MW:

53 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, rat

**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 : H9C2 cells,

IHC : human brain tissue, human small intestine tissue

## Background Information

The 5HT2A Receptor gene (HTR2A) codes for a G-protein coupled receptor and belongs to the G-protein coupled receptor 1 family. HTR2A plays a key role in serotonin pathway regulation. HTR2A affects neural activity, perception, cognition, and mood and functions as the main target of atypical antipsychotic drugs (PMID: 17691947, 21550210). 5HT2A Receptor has 2 isoforms with the molecular mass of 44 and 53 kDa.

## 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

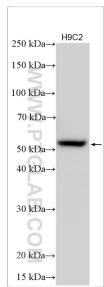
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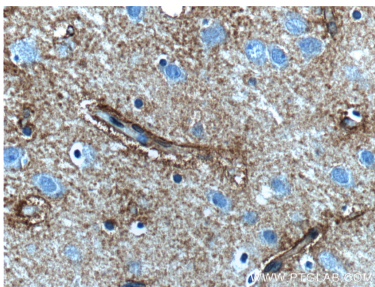
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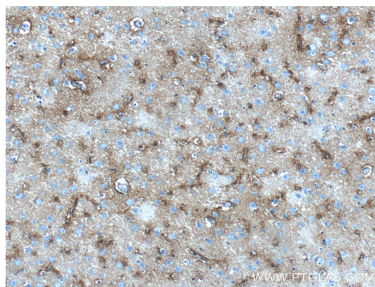
Selected Validation Data



H9C2 cells were subjected to SDS PAGE followed by western blot with 26438-1-AP (5HT2A Receptor antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 26438-1-AP (5HT2A Receptor Antibody) at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 26438-1-AP (5HT2A Receptor Antibody) at dilution of 1:200 (under 10x lens).