

For Research Use Only

5HT2A Receptor Polyclonal antibody

Catalog Number: 26438-1-AP



Basic Information

Catalog Number: 26438-1-AP	GenBank Accession Number: BC074848	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3356	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: 5-hydroxytryptamine (serotonin) receptor 2A	
Isotype: IgG	Calculated MW: 471 aa, 53 kDa	
Immunogen Catalog Number: AG24056	Observed MW: 53 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : H9C2 cells, IHC : human brain tissue, human small intestine tissue
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	

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

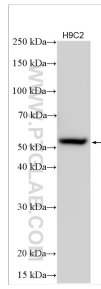
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

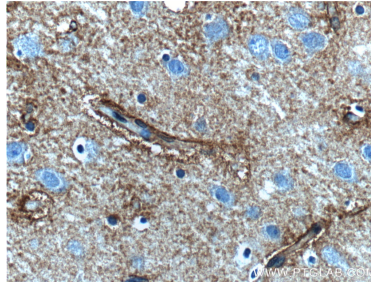
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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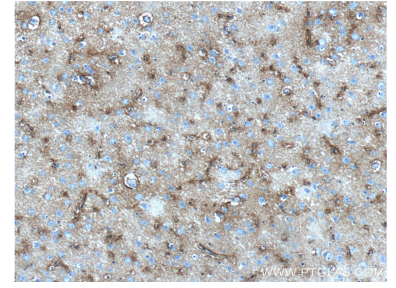
Selected Validation Data



H9C2 cells were subjected to SDS PAGE followed by western blot with 26438-1-AP (5HT_{2A} 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 (5HT_{2A} Receptor Antibody) at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 26438-1-AP (5HT_{2A} Receptor Antibody) at dilution of 1:200 (under 10x lens).