

Rabbit 5HT2A Receptor Polyclonal Antibody | anti-HTR2A antibody

Anti-5HT2A Receptor antibody

CATALOG # AAA11510	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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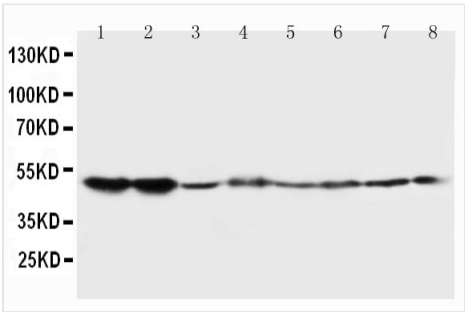
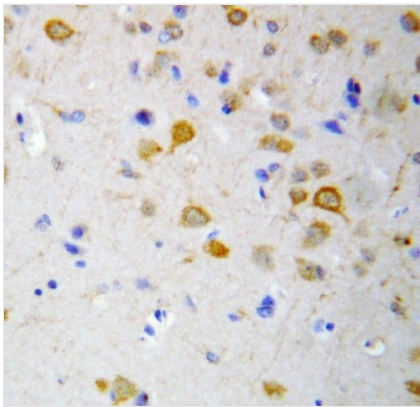
PRODUCT SYNONYMS

5HT2A Receptor; Polyclonal Antibody; Anti-5HT2A Receptor antibody; 5-hydroxytryptamine (serotonin) receptor 2A; G protein-coupled; 5-hydroxytryptamine receptor 2A; anti-HTR2A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized; Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ N.
Sequence Length	471
Applicable Applications for anti-HTR2A antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Western Blot (WB): Concentration: 0.1-0.5ug/ml Tested Species: Human, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section): Concentration: 0.5-1ug/ml Tested Species: Mouse, Rat Predicted Species: Human Antigen Retrieval: By Heat Tested Species: In-house tested species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Other applications have not been tested. Optimal dilutions should be determined by end users.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human HTR2A(418-432aa AYKSSQLQMGQKNS), different from the mouse sequence by one amino acid.
Reconstitution	0.2ml of distilled water will yield a concentration of 500ug/ml.
Relevant Detection System	We provide a series of assays reacted with primary antibodies. Antibody can be supported by chemiluminescence kit (please inquire) in WB, supported by (please inquire) in IHC-p.
Preparation and Storage	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)
Anti-5HT2A Receptor antibody, AAA11510, Western blotting
Lane 1: Rat Brain Tissue Lysate
Lane 2: Rat Brain Tissue Lysate
Lane 3: Mouse Brain Tissue Lysate
Lane 4: Mouse Brain Tissue Lysate
Lane 5: U87 Cell Lysate
Lane 6: SMMC Cell Lysate
Lane 7: HT1080 Cell Lysate
Lane 8: COLO320 Cell Lysate

IHC (Immunohistochemistry)
Anti-5HT2A Receptor antibody, AAA11510, IHC(P)
IHC(P): Rat Brain Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-HTR2A antibody

Background: The mammalian HTR2A(5-HT2A receptor) is a subtype of the 5-HT2 receptor that belongs to the serotonin receptor family and is a G protein-coupled receptor(GPCR). This is the main excitatory receptor subtype among the GPCRs for serotonin(5-HT), although 5-HT2A may also have an inhibitory effect on certain areas such as the visual cortex and the orbit frontal cortex. This receptor was given importance first as the target of psychedelic drugs like LSD. Later it came back to prominence because it was also found to be mediating, at least partly, the action of many antipsychotic drugs, especially the atypical ones.5-HT2A also happens to be a necessary receptor for the spread of the human polyoma virus called JC virus. Sparkes et al.(1991) concluded that the gene is located on 13q14-q21 in man and on chromosome 14 in the mouse.

NCBI AND UNIPROT INFORMATION

NCBI GI #	543727
NCBI GeneID	3356
UniProt Accession #	P28223; Q5T8C0; B2RAC5; B4DZ79; F5GWE8
NCBI Official Full Name	5-hydroxytryptamine receptor 2A
NCBI Official Synonym Full Names	5-hydroxytryptamine (serotonin) receptor 2A, G protein-coupled
NCBI Official Symbol	HTR2A
NCBI Official Synonym Symbols	HTR2; 5-HT2A
NCBI Protein Information	5-hydroxytryptamine receptor 2A; 5-HT-2A; 5-HT2 receptor; serotonin 5-HT-2A receptor
UniProt Protein Name	5-hydroxytryptamine receptor 2A
UniProt Gene Name	HTR2A
UniProt Synonym Gene Names	HTR2; 5-HT-2; 5-HT-2A
UniProt Entry Name	5HT2A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.