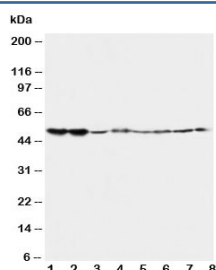


5HT2A Receptor Antibody (R30442)

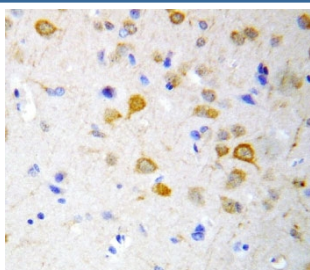
Catalog No.	Formulation	Size
R30442	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P28223
Localization	Cytoplasmic, membrane
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	This 5HT2A Receptor antibody is available for research use only.



Western blot testing of 5HT2A Receptor antibody and Lane 1: rat brain; 2: rat brain; 3: mouse brain; 4: mouse brain and human samples 5: U87; 6: SMMC-7721; 7: HT1080; 8: COLO320. Predicted/observed molecular weight ~53kDa.



IHC-P: 5HT2A Receptor antibody testing of rat brain tissue

Description

The mammalian HTR2A (5-HT_{2A} 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-HT_{2A} 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-HT_{2A} 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the 5HT_{2A} Receptor antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human 5HT_{2A} Receptor (AYKSSQLQMGQKKNS) was used as the immunogen for this 5HT_{2A} Receptor antibody.

Storage

After reconstitution, the 5HT_{2A} Receptor antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.