5-HT2C Receptor Antibody / HTR2C (RQ7304)

Catalog No.	Formulation	Size
RQ7304	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P28335
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This 5-HT2C Receptor antibody is available for research use only.



Western blot testing of 1) rat brain and 2) rat C6 cell lysate with 5-HT2C Receptor antibody. Predicted molecular weight: ~52 kDa, but may be observed at higher molecular weights due to glycosylation.

Description

This gene encodes a seven-transmembrane G-protein-coupled receptor. The encoded protein responds to signaling through the neurotransmitter serotonin. The mRNA of this gene is subject to multiple RNA editing events, where adenosine residues encoded by the genome are converted to inosines. RNA editing is predicted to alter the structure of the second intracellular loop, thereby generating alternate protein forms with decreased ability to interact with G proteins. Abnormalities in RNA editing of this gene have been detected in victims of suicide that suffer from depression. In addition, naturally-occuring variation in the promoter and 5' non-coding and coding regions of this gene may show statistically-

significant association with mental illness and behavioral disorders. Alternative splicing results in multiple different transcript variants.

Application Notes

Optimal dilution of the 5-HT2C Receptor antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids N372-V458) was used as the immunogen for the 5-HT2C Receptor antibody.

Storage

After reconstitution, the 5-HT2C Receptor antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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