

## 5-HT<sub>2C</sub> Receptor Antibody / HTR<sub>2C</sub> (RQ7304)

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

[Bulk quote request](#)

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



Western blot testing of 1) rat brain and 2) rat C6 cell lysate with 5-HT<sub>2C</sub> 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-occurring 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-HT<sub>2C</sub> Receptor antibody should be determined by the researcher.

## **Immunogen**

Recombinant human protein (amino acids N372-V458) was used as the immunogen for the 5-HT<sub>2C</sub> Receptor antibody.

## **Storage**

After reconstitution, the 5-HT<sub>2C</sub> 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.