

# HTR2B Rabbit Polyclonal Antibody



CAB5670

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## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

47kDa

### Calculated MW:

54kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse, Rat

## Protein Background

This gene encodes one of the several different receptors for 5-hydroxytryptamine (serotonin) that belongs to the G-protein coupled receptor 1 family. Serotonin is a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. Serotonin receptors mediate many of the central and peripheral physiologic functions of serotonin, including regulation of cardiovascular functions and impulsive behavior. Population and family-based analyses of a minor allele (glutamine-to-stop substitution, designated Q20\*) which blocks expression of this protein, and knockout studies in mice, suggest a role for this gene in impulsivity. However, other factors, such as elevated testosterone levels, may also be involved. Alternatively spliced transcript variants have been found for this gene.

## Immunogen information

### Gene ID:

3357

### Uniprot

P41595

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200 IF 1:10 - 1:100

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

### Synonyms:

HTR2B; 5-HT(2B); 5-HT-2B; 5-HT2B

### Immunogen:

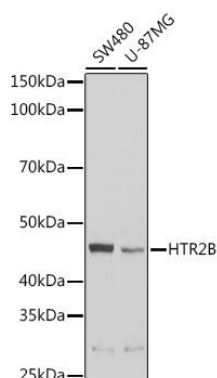
Recombinant fusion protein containing a sequence corresponding to amino acids 382-481 of human HTR2B (NP\_000858.3).

### Storage:

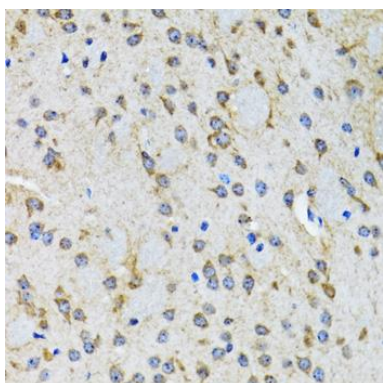
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

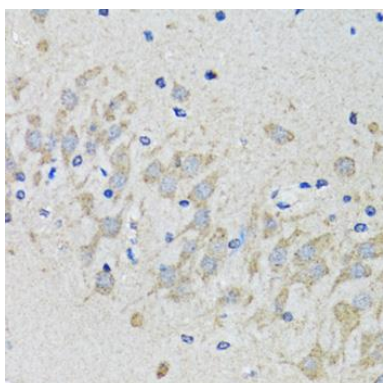
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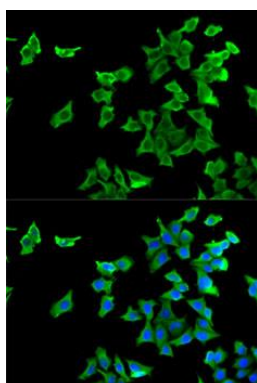
Western blot analysis of extracts of various cell lines, using HTR2B Rabbit pAb (CAB5670) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 10s.



Immunohistochemistry of paraffin-embedded rat brain using HTR2B antibody (CAB5670) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse brain using HTR2B antibody (CAB5670) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U2OS cells using HTR2B antibody (CAB5670). Blue: DAPI for nuclear staining.