

HTR2B Rabbit pAb

Catalog No.: A5670

Basic Information

Observed MW

47kDa

Calculated MW

54kDa

Category

Primary antibody

Applications

WB, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

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.

Recommended Dilutions

WB	1:500 - 1:2000
IF/ICC	1:10 - 1:100

Immunogen Information

Gene ID

3357

Swiss Prot

P41595

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 233-330 of human HTR2B (NP_000858.3).

Synonyms

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

Contact

 | www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

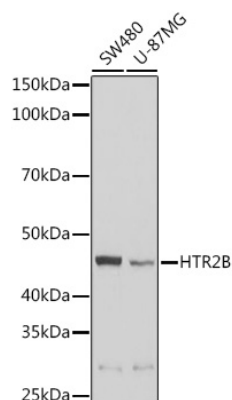
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using HTR2B Rabbit pAb (A5670) at 1:1000 dilution.

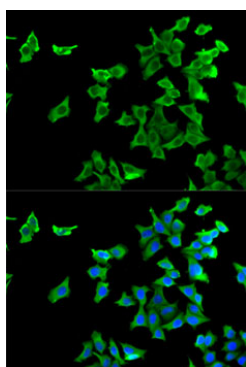
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.



Immunofluorescence analysis of U2OS cells using HTR2B antibody (A5670). Blue: DAPI for nuclear staining.