

Anti-5-HT3B Antibody

Catalog # AP95873

Product Information

Application	WB, FC, IF/IC
Primary Accession	O95264
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	50292

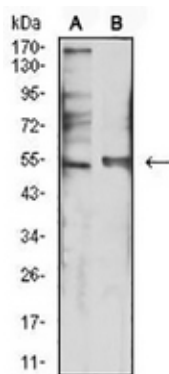
Additional Information

Gene ID	9177
Other Names	5-hydroxytryptamine receptor 3B; 5-HT3-B; 5-HT3B; Serotonin receptor 3B
Target/Specificity	Recombinant fusion protein of human 5-HT3B expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/100 - 1/200) IF/IC~~N/A
Format	Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

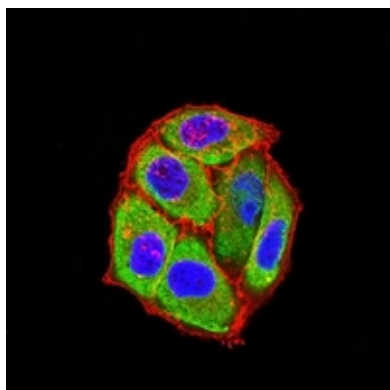
Protein Information

Name	HTR3B (HGNC:5298)
Function	Forms serotonin (5-hydroxytryptamine/5-HT3)-activated cation- selective channel complexes, which when activated cause fast, depolarizing responses in neurons.
Cellular Location	Postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Note=Presumably retained within the endoplasmic reticulum unless complexed with HTR3A
Tissue Location	Expressed in the brain cortex, in the caudate nucleus, the hippocampus, the thalamus and the amygdala. Detected in the kidney and testis as well as in monocytes of the spleen, small and large intestine, uterus, prostate, ovary and placenta

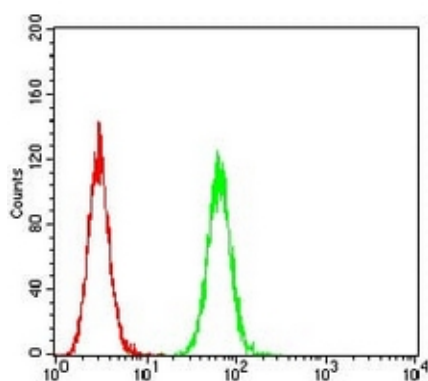
Images



Western blot analysis of 5-HT3B expression in SKNSH (A), HeLa (B) whole cell lysates. (Predicted band size: 50 kD; Observed band size: 50 kD)



Immunofluorescent analysis of 5-HT3B staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of HeLa cells using Anti-5-HT3B Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.