

anti-Human HTR2B Antibody | anti-HTR2B antibody

HTR2B Antibody

CATALOG # AAA267949	REACTIVITY Human	APPLICATIONS ELISA, Immunofluorescence, Western Blot
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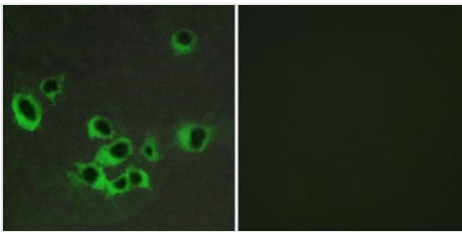
PRODUCT SYNONYMS

HTR2B; HTR2B Antibody; HTR2B;5-hydroxytryptamine receptor 2B;5-HT-2B;5-HT2B;Serotonin receptor 2B; anti-HTR2B antibody

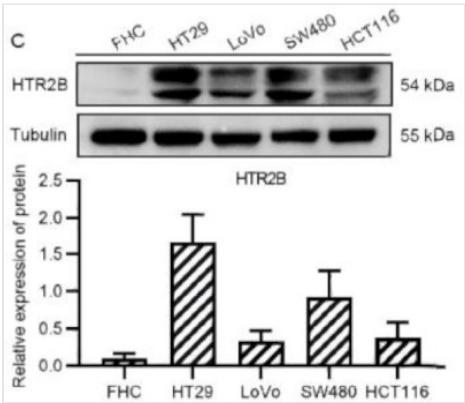
PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	HTR2B Antibody detects endogenous levels of total HTR2B
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	481
Applicable Applications for anti-HTR2B antibody	ELISA, IF (Immunofluorescence), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized peptide derived from human HTR2B. AA range:15-64
Function	This is one of the several different receptors for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.„similarity:Belongs to the G-protein coupled receptor 1 family.„subunit:Interacts with MPDZ.„tissue specificity:Detected in most peripheral organs. Only low expression levels were found in the brain.
Subcellular Location	Cell membrane; Multi-pass membrane protein. Cell junction, synapse, synaptosome.
Expression	Ubiquitous. Detected in liver, kidney, heart, pulmonary artery, and intestine. Detected at lower levels in blood, placenta and brain, especially in cerebellum, occipital cortex and frontal cortex.
Preparation and Storage	Store at -15°C to -25°C/1 year (Do not lower than -25°C).

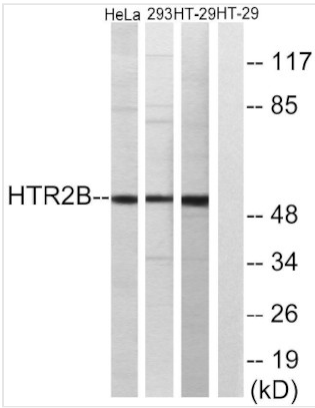
IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of COS7 cells, using HTR2B Antibody. The picture on the right is blocked with the synthesized peptide.



WB (Western Blot)
Dissecting the novel abilities of aripiprazole: The generation of anti-colorectal cancer effects by targeting G ? q via HTR2B. Changhua Hu WB Human FHC cell, HT29 cell, LoVo cell, SW480 cell, HCT116 cell.



WB (Western Blot)
Western blot analysis of lysates from HT-29, 293, and HeLa cells, using HTR2B Antibody. The lane on the right is blocked with the synthesized peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-HTR2B antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	222080049
NCBI GeneID	3357
NCBI Accession #	NP_000858.3
NCBI GenBank Nucleotide #	NM_000867.4
UniProt Accession #	P41595; Q53T11; Q62221; Q6P523; B2R9D5
Molecular Weight	54kDa
NCBI Official Full Name	5-hydroxytryptamine receptor 2B isoform 1

NCBI Official Synonym Full Names	5-hydroxytryptamine receptor 2B
NCBI Official Symbol	HTR2B
NCBI Official Synonym Symbols	5-HT2B; 5-HT-2B; 5-HT(2B)
NCBI Protein Information	5-hydroxytryptamine receptor 2B
UniProt Protein Name	5-hydroxytryptamine receptor 2B
UniProt Gene Name	HTR2B
UniProt Synonym Gene Names	5-HT-2B; 5-HT2B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-antibody/htr2b/267949>