

Rabbit anti-Human 5-HT-2B Polyclonal Antibody | anti-5-HT-2B antibody

5-HT-2B Antibody

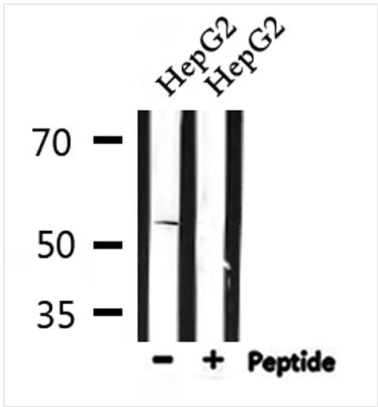
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324190	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

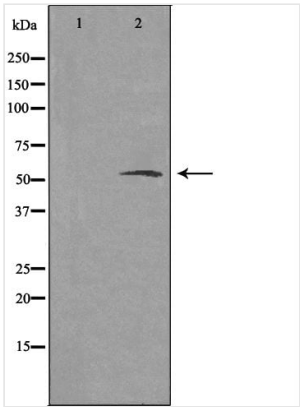
5-HT-2B; Polyclonal Antibody; 5-HT-2B Antibody; 5 HT 2B; 5 HT 2B receptor; 5 HT(2B); 5 HT2B; 5 hydroxytryptamine (serotonin) receptor 2B; 5 hydroxytryptamine (serotonin) receptor 2B G protein coupled; 5 hydroxytryptamine 2B receptor; 5 hydroxytryptamine receptor 2B; 5-HT2B; 5-hydroxytryptamine receptor 2B; 5HT(2B); 5HT2B_HUMAN; 5HT2F; Htr 2b; Htr2b; NP75 protein; SEROTONIN 5HT2B RECEPTOR; Serotonin receptor 2B; Stomach fundus serotonin receptor; anti-5-HT-2B antibody

PRODUCT SPECIFICATIONS

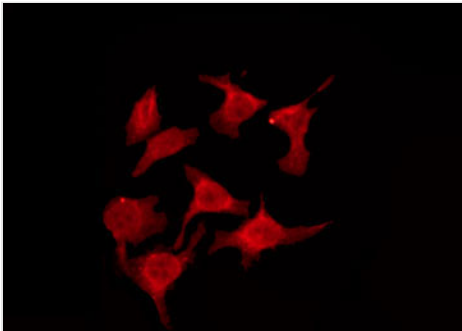
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	5-HT-2B antibody detects endogenous levels of total 5-HT-2B
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	481
Applicable Applications for anti-5-HT-2B antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane
Tissue Specificity	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.
Predicted Cross Reactivity	Horse, Chicken
Similarity	Horse (82%), Chicken (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



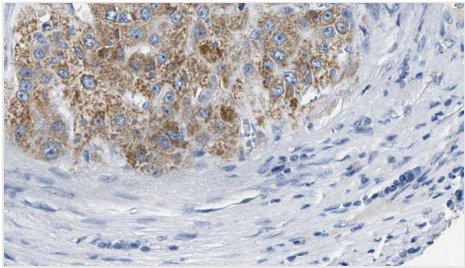
WB (Western Blot)
Western blot analysis of extracts from HepG2, using 5-HT-2B Antibody.



WB (Western Blot)
Western blot analysis of extracts from HeLa cells, using 5-HT-2B antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)
AAA324190 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IHC (Immunohistochemistry)
AAA324190 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-5-HT-2B antibody

Function: G-protein coupled receptor for 5-hydroxytryptamine (serotonin) (PubMed:8143856, PubMed:7926008, PubMed:8078486, PubMed:8882600, PubMed:18703043, PubMed:23519210). Also functions as a receptor for various ergot alkaloid derivatives and psychoactive substances (PubMed:8143856, PubMed:7926008, PubMed:8078486, PubMed:12970106, PubMed:18703043, PubMed:23519210, PubMed:23519215, PubMed:24357322, PubMed:28129538). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors (PubMed:8143856, PubMed:8078486, PubMed:8882600, PubMed:23519215, PubMed:28129538). Beta-arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways (PubMed:23519215, PubMed:28129538). Signaling activates a phosphatidylinositol-calcium second messenger system that modulates the activity of phosphatidylinositol 3-kinase and down-stream signaling cascades and promotes the release of Ca²⁺ ions from intracellular stores (PubMed:8143856, PubMed:8078486, PubMed:8882600, PubMed:18703043, PubMed:23519215, PubMed:28129538). Plays a role in the regulation of dopamine and 5-hydroxytryptamine release, 5-hydroxytryptamine uptake and in the regulation of extracellular dopamine and 5-hydroxytryptamine levels, and thereby affects neural activity. May play a role in the perception of pain (By similarity). Plays a role in the regulation of behavior, including impulsive behavior (PubMed:21179162). Required for normal proliferation of embryonic cardiac myocytes and normal heart development. Protects cardiomyocytes against apoptosis. Plays a role in the adaptation of pulmonary arteries to chronic hypoxia. Plays a role in vasoconstriction. Required for normal osteoblast function and proliferation, and for maintaining normal bone density. Required for normal proliferation of the interstitial cells of Cajal in the intestine (By similarity). Subunit Structure: Interacts (via C-terminus) with MPDZ. Similarity: Ligands are bound in a hydrophobic pocket formed by the transmembrane helices. Belongs to the G-protein coupled receptor 1 family.

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	Observed: 54 kD Predicted: 55 kDa
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://stage.aaabiotech.com/polyclonal/5-ht-2b-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324190>