

Rabbit 5-HT-2C Polyclonal Antibody | anti-5-HT-2C antibody

5-HT-2C Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324191	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

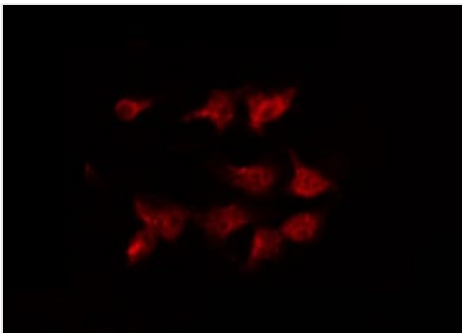
PRODUCT SYNONYMS

5-HT-2C; Polyclonal Antibody; 5-HT-2C Antibody; 5 Hydroxytryptamine 2C receptor; 5-HT-1C; 5-HT-1c receptor; 5-HT1C; 5-HT2C; 5-HTR2C; 5-hydroxytryptamine (serotonin) receptor 2C; G protein-coupled; 5-hydroxytryptamine receptor 1C; 5-hydroxytryptamine receptor 2C; 5HT1C; 5HT2C; 5HT2C_HUMAN; 5HTR2C; 5Hydroxytryptamine 2C receptor; Htr1c; HTR2C; serotonin 1c receptor; serotonin 2c receptor; Serotonin 5-HT-2C receptor; Serotonin receptor 2C; anti-5-HT-2C antibody

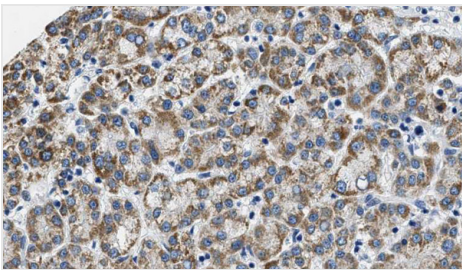
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	5-HT-2C antibody detects endogenous levels of total 5-HT-2C
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	458
Applicable Applications for anti-5-HT-2C antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane
Tissue Specificity	Detected in brain.
Predicted Cross Reactivity	Pig, Horse, Sheep, Rabbit, Dog
Similarity	Pig (91%), Horse (91%), Sheep (91%), Rabbit (91%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

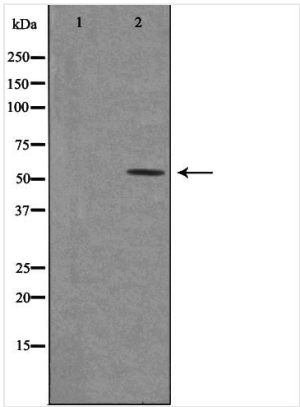
IMAGES



IF (Immunofluorescence)
AAA324191 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)
AAA324191 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.



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

ADDITIONAL INFORMATION

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

Function: G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for various drugs and psychoactive substances, including ergot alkaloid derivatives, 1-2, 5, -dimethoxy-4-iodophenyl-2-aminopropane (DOI) and lysergic acid diethylamide (LSD). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors. Beta-arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways. 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. Regulates neuronal activity via the activation of short transient receptor potential calcium channels in the brain, and thereby modulates the activation of pro-opiomelanocortin neurons and the release of CRH that then regulates the release of corticosterone. Plays a role in the regulation of appetite and eating behavior, responses to anxiogenic stimuli and stress. Plays a role in insulin sensitivity and glucose homeostasis.

Subunit Structure: Interacts with MPDZ. Interacts with ARRB2.

Post-translational Modifications: N-glycosylated.

Similarity: The PDZ domain-binding motif is involved in the interaction with MPDZ. Belongs to the G-protein coupled receptor 1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504541
NCBI GeneID	3358
NCBI Accession #	NP_000859.1
NCBI GenBank Nucleotide #	NM_000868.3
UniProt Accession #	P28335; Q5VUF8; Q9NP28; B1AMW4

Molecular Weight	Observed: 55 kD Predicted: 52 kDa
NCBI Official Full Name	5-hydroxytryptamine receptor 2C isoform a
NCBI Official Synonym Full Names	5-hydroxytryptamine receptor 2C
NCBI Official Symbol	HTR2C
NCBI Official Synonym Symbols	HTR1C; 5-HT1C; 5-HT2C; 5HTR2C; 5-HTR2C
NCBI Protein Information	5-hydroxytryptamine receptor 2C
UniProt Protein Name	5-hydroxytryptamine receptor 2C
UniProt Gene Name	HTR2C
UniProt Synonym Gene Names	HTR1C; 5-HT-2C; 5-HT2C; 5-HTR2C; 5-HT-1C; 5-HT1C

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-2c-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324191>