

Rabbit HTR2C / 5-HT2C Receptor Polyclonal Antibody | anti-HTR2C antibody

Rabbit Polyclonal to Human HTR2C / 5-HT2C Receptor

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52486	Rabbit	Human, Mouse, Rat	Western Blot, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

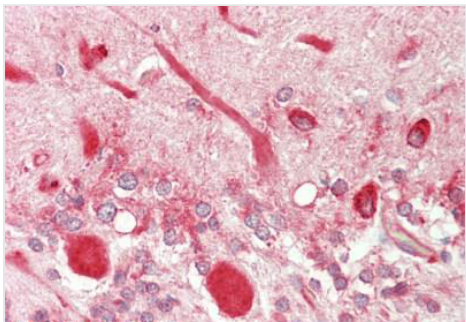
HTR2C / 5-HT2C Receptor; Polyclonal Antibody; Rabbit Polyclonal to Human HTR2C / 5-HT2C Receptor; Anti-HTR2C / 5-HT2C Receptor Antibody (aa400-450) IHC-plus; HTR2C; 5-HT-1C; 5-HT1c receptor; 5HT-1C; 5-HT2C; 5-HT2c receptor; 5HT2C Receptor; 5-HT-2C; 5-HT1C; 5-HTR2C; HTR1C; Serotonin 5-HT-1c receptor; Serotonin receptor 2C; Serotonin 1c receptor; Serotonin 5-HT-2C receptor; Serotonin 2c receptor; Human HTR2C; 5-HT2C Receptor; anti-HTR2C antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	Human HTR2C / 5-HT2C
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, pH 7.2, 0.05% sodium azide
Concentration	1 mg/ml (varies by lot)
Sequence Length	458
Applicable Applications for anti-HTR2C antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry)
Target	HTR2C/5-HT2C Receptor
Immunogen Species	HTR2C/5-HT2C receptor antibody was raised against Human
Antigen Type	synthetic peptide
Immunogen	HTR2C/5-HT2C receptor antibody was raised against synthetic peptide around Gln437 of human HTR2C/5-HT2C
Epitope	aa400-450
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Anti-HTR2C / 5-HT2C Receptor antibody IHC staining of human brain, cerebellum.
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-HTR2C antibody	5-HT2C, a Serotonin Receptor previously termed 5-HT1C, activates phospholipase C, resulting in a transient increase in intracellular calcium and activation of protein kinase C. Mutant mice lacking functional 5-HT2C receptor are overweight due to abnormal feeding behavior and are prone to epileptic seizures. Therefore, agonists of the 5-HT2C receptor such as m-chlorophenylpiperazine (mCPP) may be potential drugs for the treatment of obesity.
Product Categories/Family for anti-HTR2C antibody	Family: GPCR; Subfamily: Serotonin

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504541
NCBI GeneID	3358
NCBI Accession #	NP_000859.1
NCBI GenBank Nucleotide #	NM_000868.2
UniProt Accession #	P28335; Q5VUF8; Q9NP28; B1AMW4
Molecular Weight	28,055 Da
NCBI Official Full Name	5-hydroxytryptamine receptor 2C isoform a
NCBI Official Synonym Full Names	5-hydroxytryptamine (serotonin) receptor 2C, G protein-coupled
NCBI Official Symbol	HTR2C
NCBI Official Synonym Symbols	HTR1C; 5-HT2C; 5HTR2C; 5-HTR2C
NCBI Protein Information	5-hydroxytryptamine receptor 2C; 5-HT1C; 5-HT-1C; 5-HT-2C; serotonin receptor 2C; serotonin 5-HT-2C receptor; 5-hydroxytryptamine receptor 1C; 5-hydroxytryptamine receptor-1c
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
UniProt Entry Name	5HT2C_HUMAN

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/htr2c-5-ht2c-receptor-antibody-western-blot-immunofluorescence-immunohistochemistry-elisa/52486>