

Product datasheet for **AP01291PU-N**

HTR2C Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	Western Blot: 1/500-1/1000. Immunofluorescence: 1/50-1/200. Immunohistochemistry on paraffin sections: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 400-450 of Human SR-2C.
Specificity:	This antibody detects endogenous levels of SR-2C protein. (region surrounding Gln437)
Formulation:	Phosphate buffered saline (PBS), pH~7.3 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 55 kDa
Gene Name:	5-hydroxytryptamine receptor 2C
Database Link:	Entrez Gene 15560 Mouse Entrez Gene 25187 Rat Entrez Gene 3358 Human P28335



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Background:

The members of the G protein coupled receptor family are distinguished by their slow transmitting response to ligand binding. These seven transmembrane proteins include the adrenergic, serotonin and dopamine receptors. The effect of the signaling molecule can be excitatory or inhibitory depending on the type of receptor to which it binds. Members of the β -Arrestin family regulate receptor binding to G proteins. β -Arrestins have been found to be located at postsynaptic sites, where they are thought to act in concert with β ARK (β ARK1, also designated GRK 2, or β ARK2, also designated GRK 3) to regulate G protein-coupled neurotransmitter receptors. Expression of β -Arrestin-1 and β -Arrestin-2 is seen predominantly in spleen and neuronal tissues. It has been shown that β -Arrestin-1 expression is modulated by intracellular cAMP, which may be a novel mechanism for the regulation of receptor-mediated responses.

Synonyms:

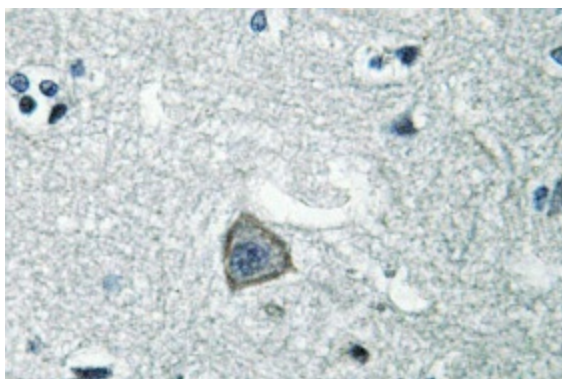
HTR1C, 5HT-1C, 5-hydroxytryptamine receptor 2C, 5-HTR2C, 5-HT-2C, 5-HT2C

Protein Families:

Druggable Genome, GPCR, Transmembrane

Protein Pathways:

Calcium signaling pathway, Gap junction, Neuroactive ligand-receptor interaction

Product images:

Immunohistochemistry (IHC) analyzes of SR-2C antibody in paraffin-embedded brain tissue.