

## Product datasheet for **TA303035**

### HTR2C Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:64,000. WB: 1-3µg/ml.
Reactivity:	Human (Expected from sequence similarity: Mouse, Rat, Dog, Cow)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-QVENLELPVN, from the internal region of the protein sequence according to NP_000859.1.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	5-hydroxytryptamine receptor 2C
Database Link:	<a href="#">NP_000859</a> <a href="#">Entrez Gene 15560 MouseEntrez Gene 25187 RatEntrez Gene 450240 DogEntrez Gene 3358 Human P28335</a>



[View online »](#)

**Background:**

Serotonin (5-hydroxytryptamine, 5-HT), a neurotransmitter, elicits a wide array of physiological effects by binding to several receptor subtypes, including the 5-HT2 family of seven-transmembrane-spanning, G-protein-coupled receptors, which activate phospholipase C and D signaling pathways. This gene encodes the 2C subtype of serotonin receptor and its mRNA is subject to multiple RNA editing events, where genomically encoded adenosine residues are converted to inosines. RNA editing is predicted to alter amino acids within the second intracellular loop of the 5-HT2C receptor and generate receptor isoforms that differ in their ability to interact with G proteins and the activation of phospholipase C and D signaling cascades, thus modulating serotonergic neurotransmission in the central nervous system. Studies in humans have reported abnormalities in patterns of 5-HT2C editing in depressed suicide victims. [provided by RefSeq]

**Synonyms:**

5-HT1C; 5-HT2C; 5-HTR2C; 5HTR2C; HTR1C

**Protein Families:**

Druggable Genome, GPCR, Transmembrane

**Protein Pathways:**

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

**Product images:**

TA303035 (1ug/ml) staining of EBV immortalised Lymphoblastoid lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.