

## **Product datasheet for TA303035**

## OriGene Technologies, Inc.

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## **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: NP 000859

Entrez Gene 15560 MouseEntrez Gene 25187 RatEntrez Gene 450240 DogEntrez Gene 3358

<u>Human</u> <u>P28335</u>





Background:

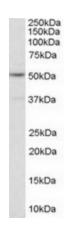
Serotonin (5-hydroxytryptamine, 5-HT), a neurotransmitter, elicits a wide array of physiological effects by binding to several receptor subtypes, including the 5-HT2 family of seven-transmembrane-spanning, G-protein-coupled receptors, which activate phospholipase C and D signaling pathways. This gene 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.