

Rabbit anti-Human HTR2C Polyclonal Antibody | anti-HTR2C antibody

Anti-HTR2C Antibody, Rabbit Polyclonal

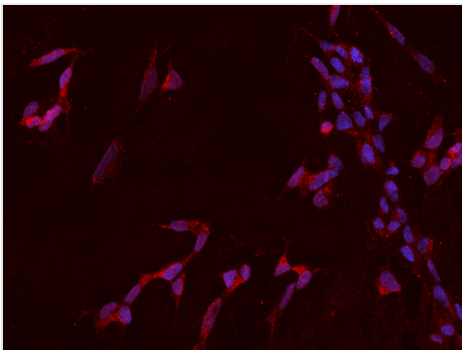
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256408	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

HTR2C; Polyclonal Antibody; Anti-HTR2C Antibody; Rabbit Polyclonal; HTR2C Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-5-HT1C Antibody; Anti-5-HT2C Antibody; Anti-5-HTR2C Antibody; Anti-5HTR2C Antibody; Anti-HTR1C Antibody; anti-HTR2C antibody

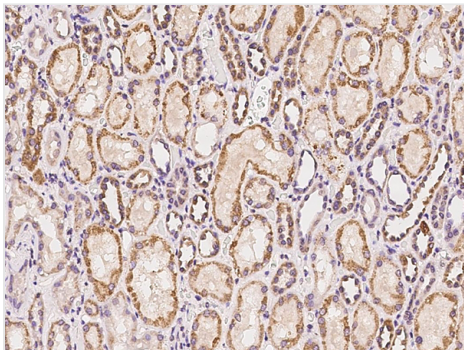
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human HTR2C
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-HTR2C antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human HTR2C fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human HTR2C fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



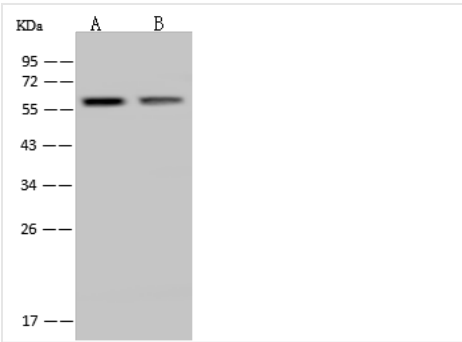
IF (Immunofluorescence)

Immunofluorescence staining of HTR2C in SHSY5Y cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human HTR2C polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 594-conjugated Goat Anti-rabbit IgG secondary antibody (red) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human HTR2C in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-HTR2C rabbit polyclonal antibody at 1:500 dilution Lane A: BxPC-3 Whole Cell Lysate Lane B: MOLT-4 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 52 kDa Observed band size: 57 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-HTR2C antibody	The HTR2C gene encodes the 5-Hydroxytryptamine (serotonin) receptor 2C, G-protein-coupled protein which functions as a serotonin receptor. The HTR2C mRNA is subject to A-to-I RNA editing mediated by adenosine deaminases acting on RNA 1 and 2 (ADAR1 and ADAR2). Genetic variation in the serotonin-2C receptor encoded by the HTR2C gene is one of the genetic determinants of antipsychotic-induced weight gain. Serotonin 2C receptor (HTR2C) is encoded through combinatorial A-to-I RNA editing at recoding sites (A-E site) on its pre-mRNA. HTR2C is one of the most relevant and investigated serotonin receptors. Its role in important brain structures such as the midbrain, the lateral septal complex, the hypothalamus, the olfactory bulb, the pons, the choroid plexus, the nucleus pallidus, the striatum, and the amygdala, the nucleus accumbens, and the anterior cingulate gyrus candidate it as a promising target for genetic association studies.
References	Larsen K, et al. (2016) Differential a-to-i rna editing of the serotonin-2c receptor g-protein-coupled, htr2c, in porcine brain tissues. Biochimie 121 189-196. Kang SH, et al. (2011) Genetic polymorphisms in the htr2c and peroxisome proliferator-activated receptors are not associated with metabolic syndrome in patients with schizophrenia taking clozapine. Psychiatry Investig 8 (3): 262-268. Drago A, et al. (2009) Focus on htr2c: A possible suggestion for genetic studies of complex disorders. Am J Med Genet B Neuropsychiatr Genet 150b (5): 601-637.

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.