

SR-2C Polyclonal Antibody

Catalog No: YT4399

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IF;ELISA

Target: SR-2C

Fields: >>Calcium signaling pathway;>>Neuroactive ligand-receptor interaction;>>Gap

junction;>>Serotonergic synapse;>>Inflammatory mediator regulation of TRP

channels

Gene Name: HTR2C

Protein Name: 5-hydroxytryptamine receptor 2C

P28335

P34968

Human Gene Id: 3358

Human Swiss Prot

No:

Mouse Gene Id: 15560

Mouse Swiss Prot

No:

Rat Gene ld: 25187

Rat Swiss Prot No: P08909

Immunogen: The antiserum was produced against synthesized peptide derived from human

5-HT-2C. AA range:161-210

Specificity: SR-2C Polyclonal Antibody detects endogenous levels of SR-2C protein.

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, lgG

Dilution : WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not

1/3



yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 55kD

Cell Pathway: Calcium; Neuroactive ligand-receptor interaction; Gap junction;

Background: This gene encodes a seven-transmembrane G-protein-coupled receptor. The

encoded protein responds to signaling through the neurotransmitter serotonin. The mRNA of this gene is subject to multiple RNA editing events, where adenosine residues encoded by the genome are converted to inosines. RNA editing is predicted to alter the structure of the second intracellular loop, thereby generating alternate protein forms with decreased ability to interact with G proteins. Abnormalities in RNA editing of this gene have been detected in victims

of suicide that suffer from depression. In addition, naturally-occuring variation in the promoter and 5' non-coding and coding regions of this gene may show statistically-significant association with mental illness and behavioral disorders. Alternative splicing results in multiple different transcript variants. [provided by

RefSeq, Jan 2015],

Function: domain: The PDZ domain-binding motif is involved in the interaction with

MPDZ.,function:This is one of the several different receptors for

5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.,polymorphism:Position 23 is polymorphic; the frequencies in

unrelated Caucasians are 0.87 for Cys and 0.13 for Ser., PTM:N-

glycosylated.,RNA editing:Partially edited. RNA editing generates receptor isoforms that differ in their ability to interact with the phospholipase C signaling cascade in a transfected cell line, suggesting that this RNA processing event may contribute to the modulation of serotonergic neurotransmission in the central

nervous system., similarity: Belongs to the G-protein coupled receptor

Subcellular Location:

Cell membrane; Multi-pass membrane protein.

Expression : Detected in brain.

Tag: hot

Sort : 16581

2/3

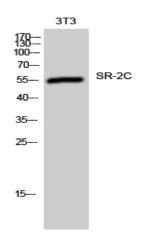


No4: 1

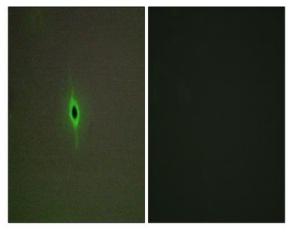
Host: Rabbit

Modifications: Unmodified

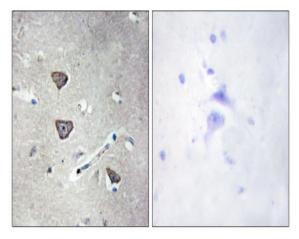
Products Images



Western Blot analysis of 3T3 cells using SR-2C Polyclonal Antibody



Immunofluorescence analysis of A549 cells, using 5-HT-2C Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using 5-HT-2C Antibody. The picture on the right is blocked with the synthesized peptide.