产品名称：SR-2C Rabbit Polyclonal Antibody
产品货号：APRab18249

产品概述（Summary）

产品名称（Production Name）	SR-2C Rabbit Polyclonal Antibody
描述（Description）	Rabbit polyclonal Antibody
宿主（Host）	Rabbit
应用（Application）	WB,IHC,ICC/IF,ELISA
种属反应性（Reactivity）	Human,Mouse,Rat

产品性能（Performance）

偶联物（Conjugation）	Unconjugated
修饰（Modification）	Unmodified
同种型（Isotype）	IgG
克隆（Clonality）	Polyclonal
形式（Form）	Liquid
存放说明（Storage）	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液（Buffer）	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式（Purification）	Affinity purification

免疫原信息（Immunogen）

基因名（Gene Name）	HTR2C
别名（Alternative Names）	HTR2C; HTR1C; 5-hydroxytryptamine receptor 2C; 5-HT-2C; 5-HT2C; 5-HTR2C; 5-hydroxytryptamine receptor 1C; 5-HT-1C; 5-HT1C; Serotonin receptor 2C
基因 ID（Gene ID）	3358.0
蛋白 ID（SwissProt ID）	P28335.The antiserum was produced against synthesized peptide derived from human 5-HT-2C. AA range:161-210

产品应用（Application）

稀释比（Dilution Ratio）	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
蛋白分子量（Molecular Weight）	55kDa

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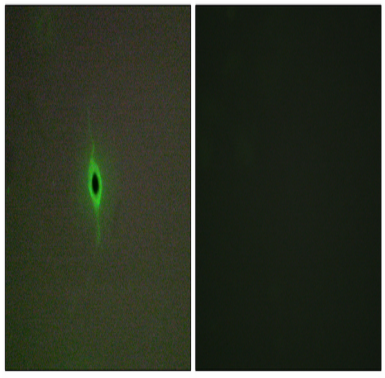
研究背景（Background）

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],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 1 family.,subunit:Interacts with MPDZ.,

研究领域（Research Area）

Calcium;Neuroactive ligand-receptor interaction;Gap junction;

图片（Image Data）



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

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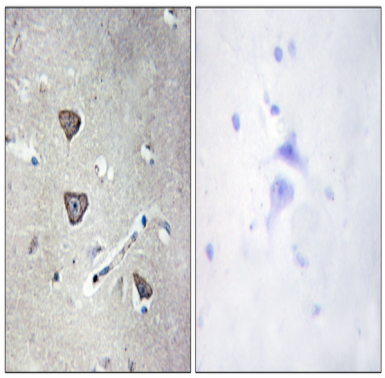
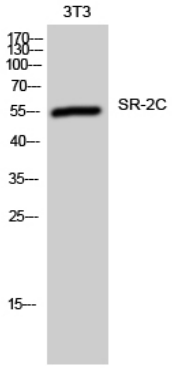


Immunohistochemistry analysis of paraffin-embedded human brain tissue, using 5-HT-2C Antibody. The picture on the right is blocked with the synthesized peptide.



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

注意事项（Note）

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