

产品名称: 5HT2C Receptor (7F8) Rabbit Monoclonal Antibody
产品货号: AMRe06339



产品概述 (Summary)

产品名称 (Production Name)	5HT2C Receptor (7F8) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
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)	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	HTR2C
别名 (Alternative Names)	5-HT-1C; 5-HT-2C; 5-HT1C; 5-HT2C; 5-HTR2C; 5HT1C; 5HT2C; 5HTR2C; 5Hydroxytryptamine 2C receptor; Htr1c; HTR2C;
基因 ID (Gene ID)	3358.0
蛋白 ID (SwissProt ID)	P28335.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:1000-1:5000
蛋白分子量 (Molecular Weight)	52kDa

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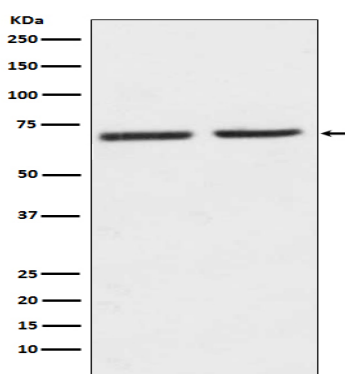
研究背景 (Background)

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. G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for various drugs and psychoactive substances, including ergot alkaloid derivatives, 1-2,5,-dimethoxy-4-iodophenyl-2-aminopropane (DOI) and lysergic acid diethylamide (LSD). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors. Beta-arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways. Signaling activates a phosphatidylinositol-calcium second messenger system that modulates the activity of phosphatidylinositol 3-kinase and down-stream signaling cascades and promotes the release of Ca^{2+} ions from intracellular stores. Regulates neuronal activity via the activation of short transient receptor potential calcium channels in the brain, and thereby modulates the activation of pro-opiomelanocortin neurons and the release of CRH that then regulates the release of corticosterone. Plays a role in the regulation of appetite and eating behavior, responses to anxiogenic stimuli and stress. Plays a role in insulin sensitivity and glucose homeostasis.

研究领域 (Research Area)

Neuroscience; Neurotransmission; Receptors / Channels; GPCR; Serotonin Receptors; Signal Transduction; Signaling Pathway; G Protein Signaling; Neurology process; Metabolism; Types of disease; Obesity

图片 (Image Data)



Western blot analysis of 5HT2C Receptor expression in (1) SH-SY5Y cell lysate; (2) Mouse kidney lysate.

注意事项 (Note)

For research use only .