

## 5-羟色胺受体 2B 抗体

产品货号： mlR12050

英文名称： 5HT2B Receptor

中文名称： 5-羟色胺受体 2B 抗体

别名： SR-2B; 5 HT 2B; 5 HT 2B receptor; 5 HT(2B); 5 HT2B; 5 hydroxytryptamine (serotonin) receptor 2B; 5 hydroxytryptamine (serotonin) receptor 2B G protein coupled; 5 hydroxytryptamine 2B receptor; 5 hydroxytryptamine receptor 2B; 5-HT-2B; 5-HT2B; 5-hydroxytryptamine receptor 2B; 5HT(2B); 5HT2B\_HUMAN; 5HT2F; Htr 2b; Htr2b; NP75 protein; SEROTONIN 5HT2B RECEPTOR; Serotonin receptor 2B; Stomach fundus serotonin receptor.

研究领域： 神经生物学 细胞膜受体 G 蛋白偶联受体 新陈代谢 G 蛋白信号

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500

(石蜡切片需做抗原修复)

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 54kDa

细胞定位： 细胞膜

性状： Lyophilized or Liquid

浓度： 1mg/ml

**免 疫 原：** KLH conjugated synthetic peptide derived from human 5HT2B Receptor/SR-2B:1-100/481  
<Extracellular>

**亚 型：** IgG

**纯化方法：** affinity purified by Protein A

**储 存 液：** 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

**保存条件：** Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**PubMed：** PubMed

**产品介绍：** Serotonin (also designated 5-hydroxytryptamine or 5-HT) is a molecule that functions as a neurotransmitter, a hormone and a mitogen, and it is predominantly expressed in the gut, platelets and central nervous system (CNS). In the CNS, serotonin modulates several processes, including anxiety, sleep, appetite, behavior and drug abuse. In platelets and gut, serotonin plays a major role in cardiovascular function and motility of the gastrointestinal tract, respectively. Serotonin mediates its effects through several of G protein coupled receptors, designated 5-HT receptors or alternatively SR receptors. The SR-2 receptors are comprised of three subtypes, SR-2A, SR-2B and SR-2C, which activate phospholipase C and release intracellular stores of calcium in response to serotonin. SR-2A has a specific role in tracheal smooth muscle contraction, bronchoconstriction and mediating aldosterone production, and it is also thought to play a role in several psychiatric disorders, including depression and schizophrenia. SR-2B is expressed in embryonic and adult cardiovascular tissues, gut and brain and plays an important role in the pathology of cardiac disorders. SR-2C is thought to mediate the effects of atypical antipsychotic drugs.

**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. Plays a role in the regulation of impulsive behavior.

**Subunit:**

Interacts with MPDZ.

**Subcellular Location:**

Cell membrane; Multi-pass membrane protein.

**Tissue Specificity:**

Expressed in brain. Higher levels of expression are observed in the cerebellum, occipital cortex and frontal cortex.

**Similarity:**

Belongs to the G-protein coupled receptor 1 family.

**SWISS:**

P41595

**Gene ID:**

3357

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片

