

钙粘蛋白相关的神经受体 2 抗体

产品货号： mlR2377

英文名称： CNR2

中文名称： 钙粘蛋白相关的神经受体 2 抗体

别名： Cannabinoid receptor 2; Cannabinoid Receptor II; Cannabinoid receptor 2 macrophage; CB 2; CB-2; CB2; CNR2; CB2R; CNRII; CNR-2; CNR 2; CX 5; CX5; CNR2_HUMAN.

研究领域： 细胞生物 免疫学 神经生物学 细胞膜受体

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 Flow-Cyt=3μg/Test 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：40kDa

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 CNR2:251-350/360

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 background:

The cannabinoid delta-9-tetrahydrocannabinol is the principal psychoactive ingredient of marijuana. The proteins encoded by this gene and the cannabinoid receptor 1 (brain) (CNR1) gene have the characteristics of a guanine nucleotide-binding protein (G-protein)-coupled receptor for cannabinoids. They inhibit adenylate cyclase activity in a dose-dependent, stereoselective, and pertussis toxin-sensitive manner. These proteins have been found to be involved in the cannabinoid-induced CNS effects (including alterations in mood and cognition) experienced by users of marijuana. The cannabinoid receptors are members of family 1 of the G-protein-coupled receptors. [provided by RefSeq, Jul 2008].

Function:

Heterotrimeric G protein-coupled receptor for endocannabinoid 2-arachidonoylglycerol mediating inhibition of adenylate cyclase. May function in inflammatory response, nociceptive transmission and bone homeostasis.

Subcellular Location:

Cell membrane. Cell projection, dendrite. Perikaryon. Localizes to apical dendrite of pyramidal neurons.

Tissue Specificity:

Preferentially expressed in cells of the immune system with higher expression in B cells and NK cells (at protein level). Expressed in skin in suprabasal layers and hair follicles (at protein level). Highly expressed in tonsil and to a lower extent in spleen, peripheral blood mononuclear cells, and thymus. PubMed:14657172 could not detect expression in normal brain. Expressed in brain by perivascular microglial cells and dorsal root ganglion sensory neurons (at protein level).

Post-translational modifications:

Constitutively phosphorylated on Ser-352; phosphorylation increases cell internalization and desensitizes the receptor.

Similarity:

Belongs to the G-protein coupled receptor 1 family.

SWISS:

P34972

Gene ID:

1269

Important Note:

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

大麻素受体 2(大麻素 II 型受体)CB2 受体在正常皮肤主要分布于上皮细胞、巨噬细胞、肥大细胞、感觉神经纤维、毛囊、汗腺等部位, 参与皮肤感觉传导、疼痛机制、皮肤免疫、皮肤肿瘤、细胞分化等重要的生理病理过程.

产品图片

