

CNR1 Rabbit pAb

Catalog # AP96582

Product Information

Application	WB, E
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CB1
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	PBS with 0.02% Proclin300.
SIMILARITY	Belongs to the G-protein coupled receptor 1 family.
SUBUNIT	Interacts (via C-terminus) with CNRIP1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions This gene encodes one of two cannabinoid receptors. The cannabinoids, principally delta-9-tetrahydrocannabinol and synthetic analogs, are psychoactive ingredients of marijuana. The cannabinoid receptors are members of the guanine-nucleotide-binding protein (G-protein) coupled receptor family, which inhibit adenylate cyclase activity in a dose-dependent, stereoselective and pertussis toxin-sensitive manner. The two receptors have been found to be involved in the cannabinoid-induced CNS effects (including alterations in mood and cognition) experienced by users of marijuana. Multiple transcript variants encoding two different protein isoforms have been described for this gene. [provided by RefSeq, May 2009]

Additional Information

Gene ID	1268
Other Names	CANN6; CB-R; CB1; CB1A; CB1K5; CB1R; CNR; cannabinoid receptor 1; cannabinoid receptor 1 (brain)
Dilution	WB=1:500-2000,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.
Name	CNR1 Rabbit pAb
Function	Involved in cannabinoid-induced CNS effects. Acts by inhibiting adenylate cyclase. Could be a receptor for anandamide. Inhibits L-type Ca(2+) channel current. Isoform 2 and isoform 3 have altered ligand binding.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.