

Product datasheet for **AP01265PU-S**

Cannabinoid Receptor I (CNR1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunohistochemistry on Paraffin sections: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to amino acids 150-200 of Human CB1.
Specificity:	This antibody detects endogenous levels of Cannabinoid receptor 1 (region surrounding Phe189).
Formulation:	Phosphate buffered saline (PBS), pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction (>95% by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 53 kDa
Gene Name:	cannabinoid receptor 1 (brain)
Database Link:	Entrez Gene 1268 Human P21554



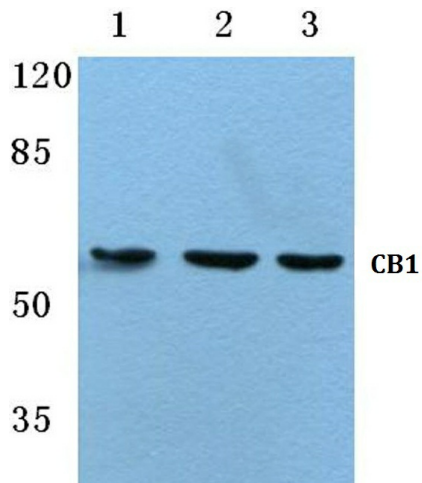
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Background:

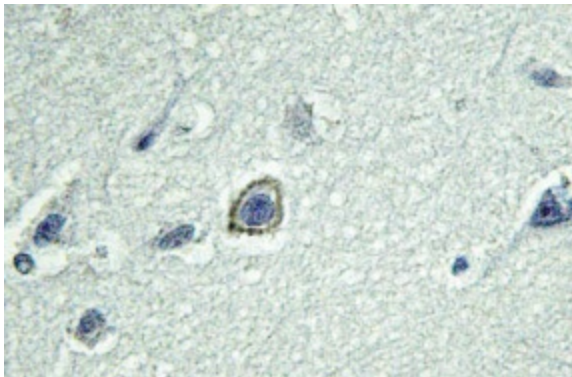
The cannabinoid receptors (CB1 and CB2) are G protein-coupled receptors that inhibit adenylate cyclase activity in response to psychoactive cannabinoids. CB1 is expressed in brain tissue and, in low levels, in testis. CB2 is expressed only by cells of the immune system. The cannabinoid receptors mediate most of the cannabinoid-induced responses in a dose-dependent, stereoselective manner. This response system is thought to be involved in specific brain functions, such as nociception, control of movement, memory and neuroendocrine regulation, as well as having a possible role in brain development. In addition, CB1 may mediate the addictive behavior involved with the use of psychoactive cannabinoids, such as THC in marijuana.

Synonyms:

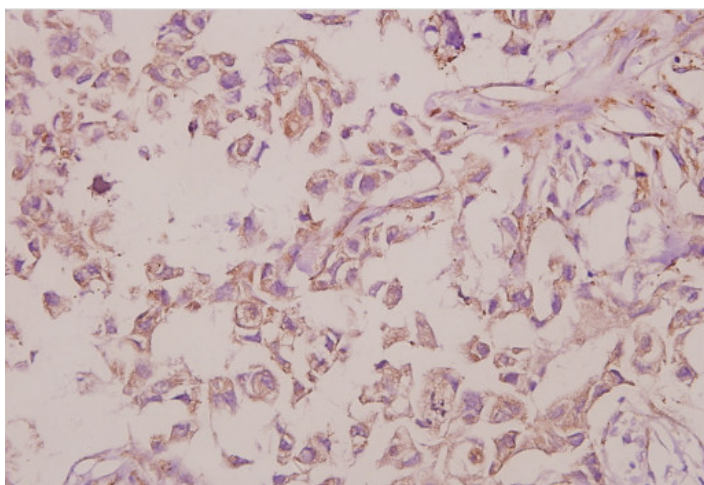
CB1, CB-R, CNR1, CNR, CANN6

Product images:

Western blot (WB) analysis of CB1 antibody at 1/500 dilution Lane 1: A549 cell lysate. Lane 2: Mouse lung tissue lysate. Lane 3: Rat lung tissue lysate.



Immunohistochemical analysis with paraffin-embedded Human colorectal carcinoma tissue using Cannabinoid receptor 1 antibody



Immunohistochemical analysis with paraffin-embedded mouse brain tissue using Cannabinoid receptor 1 antibody.