

ARG40813 anti-Cannabinoid Receptor 2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Cannabinoid Receptor 2
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Cannabinoid Receptor 2
Species	Human
Immunogen	Synthetic peptide within aa. 1-100 of Human Cannabinoid Receptor 2 (NP_001832.1).
Conjugation	Un-conjugated
Alternate Names	CB2; CB-2; Cannabinoid receptor 2; CX5; hCB2

Application Instructions

Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>WB</td><td>1:500 - 1:2000</td></tr> </table>	Application	Dilution	WB	1:500 - 1:2000
Application	Dilution				
WB	1:500 - 1:2000				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				
Positive Control	Mouse liver				
Observed Size	45 kDa				

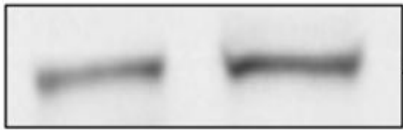
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Gene Symbol	CNR2
Gene Full Name	cannabinoid receptor 2 (macrophage)
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. [UniProt]
Calculated Mw	40 kDa
PTM	Constitutively phosphorylated on Ser-352; phosphorylation increases cell internalization and desensitizes the receptor. [UniProt]
Cellular Localization	Cell membrane; Multi-pass membrane protein. Cell projection, dendrite. Perikaryon. Note=Localizes to apical dendrite of pyramidal neurons. [UniProt]

Images

CB2



60

ARG40813 anti-Cannabinoid Receptor 2 antibody WB image

Western blot: U87MG and GL261 stained with ARG40813 anti-Cannabinoid Receptor 2 antibody.

From Chan HW et al. Phytother Res. (2025), [doi: 10.1002/ptr.8413](https://doi.org/10.1002/ptr.8413), Fig. 1. A.



Mouse liver

ARG40813 anti-Cannabinoid Receptor 2 antibody WB image

Western blot: 25 µg of Mouse liver lysate stained with ARG40813 anti-Cannabinoid Receptor 2 antibody at 1:3000 dilution.