Cannabinoid receptor CB_2 polyclonal antibody

The cannabinoid receptors CB1 and CB2 are GPCRs named for their signaling function in response to cannabinoid drugs such as Delta9-tetrahydrocannabinol (Delta9-THC). In addition to Delta9-THC and its synthetic analogs, CB1 and CB2 receptors are bound by endogenous eicosanoid ligands (e.g. anandamide), and signal via Gi/o alpha subunits to regulate adenylyl cyclase activity (generally inhibitory), ion channel activation, intracellular Ca2+ levels, nitric oxide synthase activation, and immediate early gene expression. CB1 and CB2 signals in turn regulate neurological and immunological functions such as inhibition of neurotransmitter release and immune cell migration, antigen processing, and cytokine production.

This antibody is covered by our Worry-Free Guarantee.

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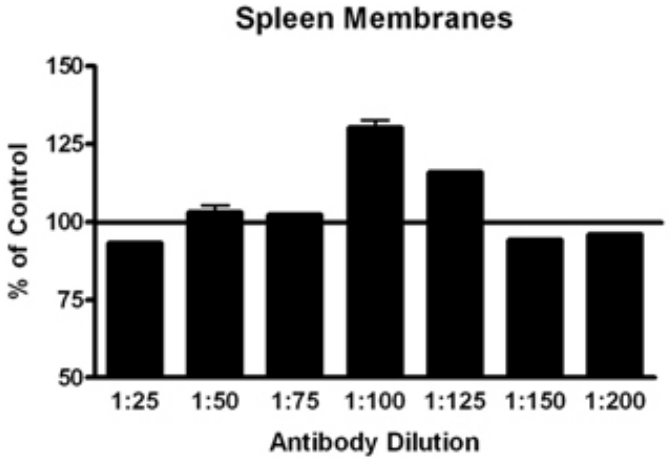
ADI-905-749-100	100µg

Manuals, SDS & CofA View Online »

Western blot analysis: MW marker (1) and 10µg rat brain extract (2) probed with Cannabinoid Receptor (CB2) pAb at 4µg/ml.



Membrane ELISA: Lewis rat spleen membranes (5µg/well) were treated with 1 µM concentrations of agonist (Δ9-THC) and probed with Cannabinoid Receptor (CB2) pAb (1:25 to 1:200 of a 0.1µg/µl stock solution) by ELISA. Data from vehicle treated cells were taken as 100%. Results are the mean ± SEM (n=2).

Handling & Storage

Handling	Keep on ice at all times.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	CB2, CNR2
Application	ELISA, IHC, WB
Application Notes	Suitable for cell-based and membrane-based ELISA. Predicted MW of ~35kDa. Higher MW species (~50kDa) and intermediates also observed by Western blot which reflect post-translational modification of the receptor.
Crossreactivity	Predicted species reactivity based on epitope sequence homology: human, mouse, bovine, horse, rhesus macaque, dog, chimpanzee.
Formulation	Liquid. In PBS containing 50% glycerol and 0.01% sodium azide.
Host	Rabbit
Immunogen	Synthetic peptide corresponding to the sequence near the N-terminus of rat cannabinoid receptor CB2.
Purity Detail	Peptide affinity purified.
Species Reactivity	Rat
UniProt ID	Q9QZN9
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee.**

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