

Datasheet for ABIN5708215

anti-CNR1 antibody**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CNR1
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CNR1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	A recombinant human protein corresponding to amino acids M1-Q75 was used as the immunogen for the CB1 antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	CNR1
Alternative Name:	CB1 (CNR1 Products)
Background:	The cannabinoid receptor type 1, often abbreviated as CB1, is a G protein-coupled cannabinoid receptor located primarily in the central and peripheral nervous system. This gene encodes one of two cannabinoid receptors. The cannabinoids, principally delta-9-tetrahydrocannabinol and

Target Details

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.

UniProt:	P21554
Pathways:	Feeding Behaviour

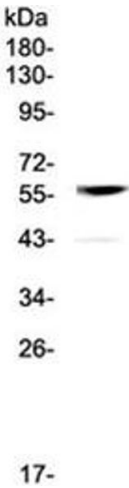
Application Details

Application Notes:	Optimal dilution of the CB1 antibody should be determined by the researcher.\. Western blot: 0.5-1 µg/mL, IHC (FFPE): 01-2 µg/mL,FACS: 1-3 µg/10^6 cells, Direct ELISA: 0.1-0.5 µg/mL
Restrictions:	For Research Use only

Handling

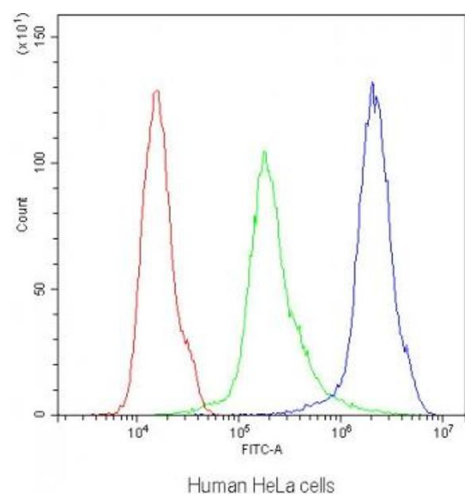
Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the CB1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



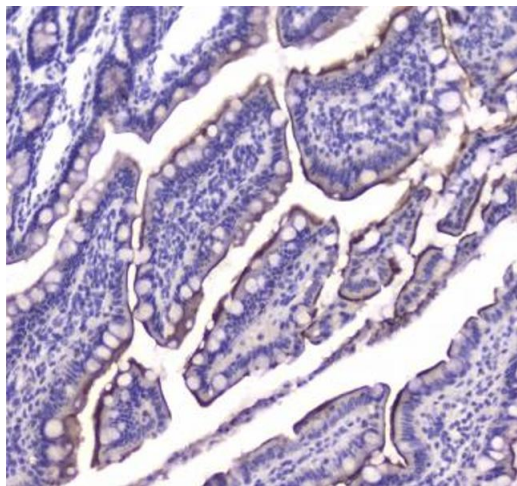
Western Blotting

Image 1. Western blot testing of human 22RV1 cell lysate with CB1 antibody at 0.5ug/ml. Predicted molecular weight ~54 kDa.



Flow Cytometry

Image 2. Flow cytometry testing of human HeLa cells with CB1 antibody at $1\mu\text{g}/10^6$ cells (blocked with goat sera)



Immunohistochemistry

Image 3. IHC testing of FFPE rat small intestine tissue with CB1 antibody at $1\mu\text{g}/\text{ml}$. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.