Product datasheet

Anti-Cannabinoid receptor 1/CNR1 Antibody

Catalog Number: *A01291-1*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-Cannabinoid receptor 1/CNR1 Antibody
Gene Name	CNR1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, FCM, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human Cannabinoid Receptor I recombinant protein (Position: M1-Q75). Human Cannabinoid Receptor I shares 97.3% amino acid (aa) sequence identity with both mouse and rat Cannabinoid Receptor I.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	53-60 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

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 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.

Anti-Cannabinoid receptor 1/CNR1 Antibody

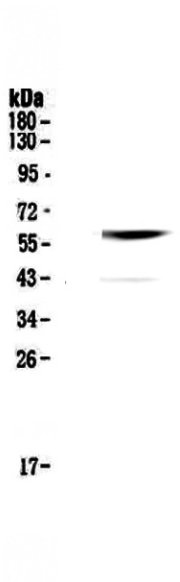
Catalog Number: *A01291-1*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

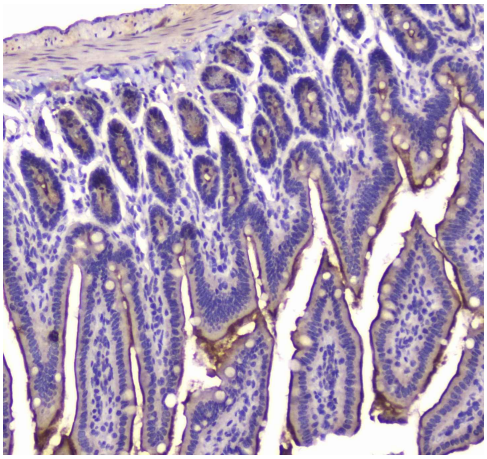
Reference

Anti-Cannabinoid receptor 1/CNR1 Antibody 被引用在2文献中。

Selected Validation Data



Western blot analysis of Cannabinoid receptor 1/CNR1 using anti-Cannabinoid receptor 1/CNR1 antibody (A01291-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human 22RV1 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Cannabinoid receptor 1/CNR1 antigen affinity purified polyclonal antibody (A01291-1) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Cannabinoid receptor 1/CNR1 at approximately 53-60 kDa. The expected band size for Cannabinoid receptor 1/CNR1 is at 53 kDa.



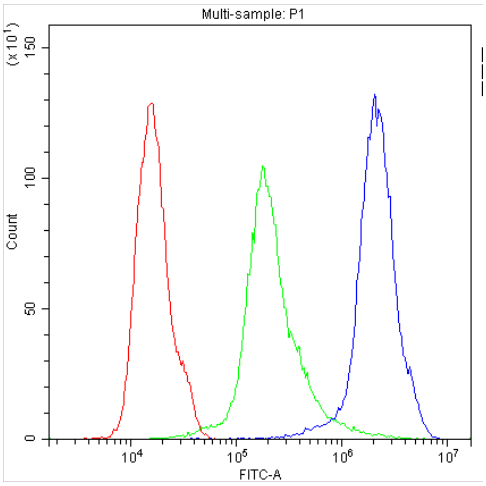
IHC analysis of Cannabinoid receptor 1/CNR1 using anti-Cannabinoid receptor 1/CNR1 antibody (A01291-1).
Cannabinoid receptor 1/CNR1 was detected in a paraffin-embedded section of mouse small intestine tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-Cannabinoid receptor 1/CNR1 Antibody (A01291-1) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.

Product datasheet

Anti-Cannabinoid receptor 1/CNR1 Antibody

Catalog Number: *A01291-1*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com



Flow Cytometry analysis of Hela cells using anti-Cannabinoid receptor 1/CNR1 antibody (A01291-1).
Overlay histogram showing Hela cells stained with A01291-1 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-Cannabinoid receptor 1/CNR1 Antibody (A01291-1) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.