10320 Camino Santa Fe, Suite A
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CNR2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CNR2.
Catalog # AT1575a

Specification

CNR2 Antibody (monoclonal) (M01) - Product Information

Application	**WB, IF, E**
Primary Accession	P34972
Other Accession	NM_001841.1
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**39681**

CNR2 Antibody (monoclonal) (M01) - Additional Information

Gene ID 1269

Other Names
Cannabinoid receptor 2, CB-2, CB2, hCB2, CX5, CNR2, CB2A, CB2B

Target/Specificity
CNR2 (NP_001832.1, 302 a.a. ~ 360 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000
IF~~1:50~200
E~~N/A

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
CNR2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

CNR2 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

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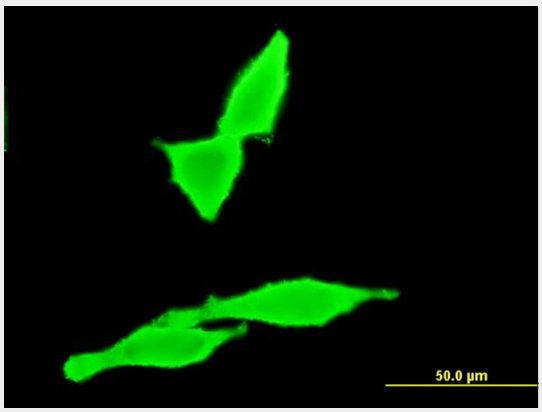
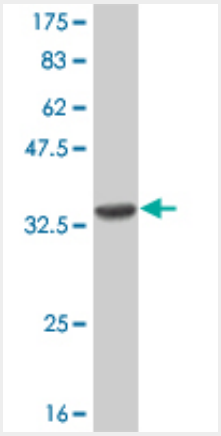
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

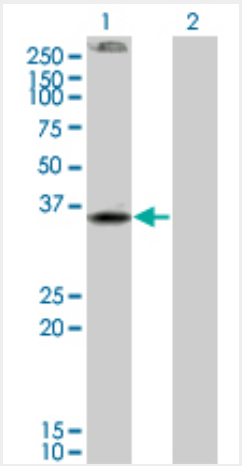
CNR2 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to CNR2 on HeLa cell . [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (32.12 KDa) .



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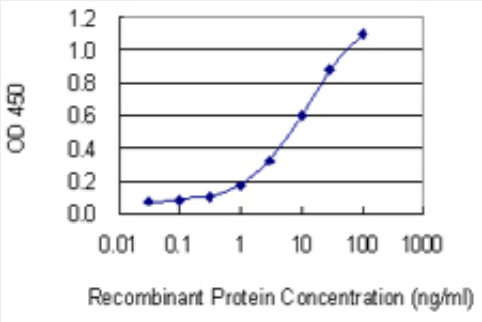
Western Blot analysis of CNR2 expression in transfected 293T cell line by CNR2 monoclonal antibody (M01), clone 3C7.

Lane 1: CNR2 transfected lysate(39.7 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged CNR2 is 0.1 ng/ml as a capture antibody.

CNR2 Antibody (monoclonal) (M01) - 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.

CNR2 Antibody (monoclonal) (M01) - References

1.Endocannabinoid crosstalk between placenta and maternal fat in a baboon model (Papio spp.) of obesity.Brocato B, Zoerner AA, Janjetovic Z, Skobowiat C, Gupta S, Moore Ii BM, Slominski A, Zhang J, Schenone M, Phinehas R, Ferry RJ Jr, Dick E Jr, Hubbard GB, Mari G, Schlabritz-Loutsevitch NPlacenta. 2013 Sep 2. pii: S0143-4004(13)00692-9. doi: 10.1016/j.placenta.2013.08.007.