

CNR2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CNR2.

Catalog # AT1575a

Specification

CNR2 Antibody (monoclonal) (M01) - Product Information

Application	IF, WB, 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

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.

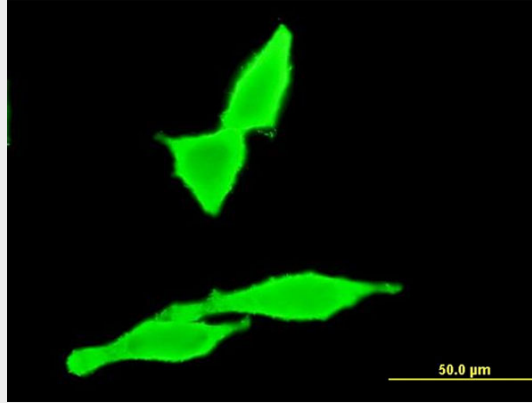
CNR2 Antibody (monoclonal) (M01) - Protocols

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

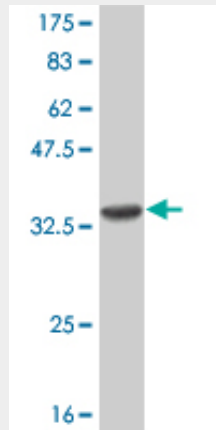
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

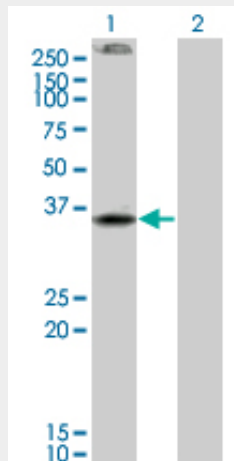
CNR2 Antibody (monoclonal) (M01) - Images



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) .

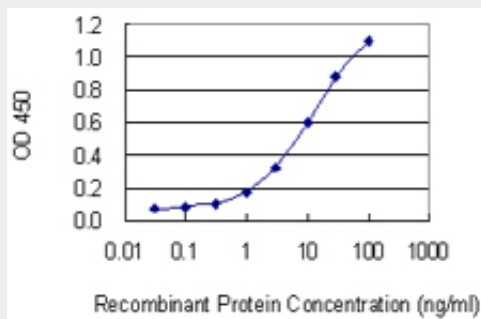


Western Blot analysis of CNR2 expression in transfected 293T cell line by CNR2 monoclonal

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 li BM, Slominski A, Zhang J, Schenone M, Phinehas R, Ferry RJ Jr, Dick E Jr, Hubbard GB, Mari G, Schlabritz-Loutsevitch N. Placenta. 2013 Sep 2. pii: S0143-4004(13)00692-9. doi: 10.1016/j.placenta.2013.08.007.