

### CNR1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CNR1. Catalog # AT1574a

#### Specification

## CNR1 Antibody (monoclonal) (M01) - Product Information

Application Primary Accession Other Accession Reactivity Host Clonality Isotype Calculated MW

WB, E <u>P21554</u> <u>NM\_016083</u> Human, Rat mouse Monoclonal IgG2b Kappa 52858

### CNR1 Antibody (monoclonal) (M01) - Additional Information

Gene ID 1268

Other Names Cannabinoid receptor 1, CB-R, CB1, CANN6, CNR1, CNR

**Target/Specificity** CNR1 (NP\_057167, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution** WB~~1:500~1000 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** CNR1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

#### CNR1 Antibody (monoclonal) (M01) - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot

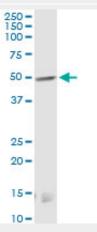


- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

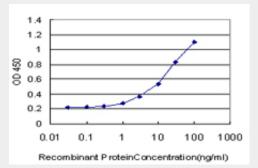
CNR1 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



CNR1 monoclonal antibody (M01), clone 2F9. Western Blot analysis of CNR1 expression in rat testis.



Detection limit for recombinant GST tagged CNR1 is approximately 0.1ng/ml as a capture antibody.

CNR1 Antibody (monoclonal) (M01) - Background



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.

# CNR1 Antibody (monoclonal) (M01) - References

Endocannabinoid Pro129Thr FAAH functional polymorphism but not 1359G/A CNR1 polymorphism is associated with antipsychotic-induced weight gain. Monteleone P, et al. J Clin Psychopharmacol, 2010 Aug. PMID 20631561.Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Polymorphisms in the endocannabinoid receptor 1 in relation to fat mass distribution. Frost M, et al. Eur J Endocrinol, 2010 Sep. PMID 20587580.Cannabinoid Receptor 1 Gene Polymorphism and Irritable Bowel Syndrome in the Korean Population: A Hypothesis-generating Study. Park JM, et al. J Clin Gastroenterol, 2010 May 25. PMID 20505532.Association study of 182 candidate genes in anorexia nervosa. Pinheiro AP, et al. Am J Med Genet B Neuropsychiatr Genet, 2010 Jul. PMID 20468064.