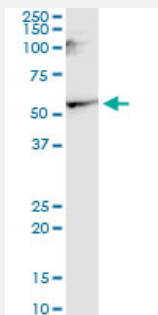


CNR1 monoclonal antibody (M02), clone 1F9

Catalog # H00001268-M02

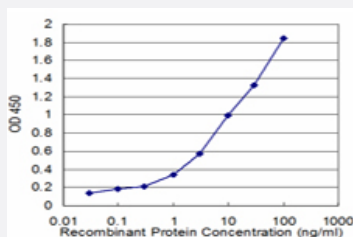
Size 100 ug

Applications



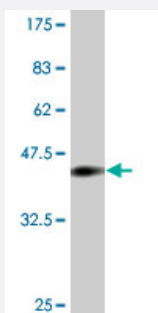
Western Blot (Tissue lysate)

CNR1 monoclonal antibody (M02), clone 1F9. Western Blot analysis of CNR1 expression in rat testis.



Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant CNR1.

Immunogen	CNR1 (NP_057167, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MKSILDGLADTTTFRITITDLLYVGSNDIQYEDIKGDMSKLGYPQKFPLTSFRGSPFQEKMTAGDN PQLVPADQVNITEFYNKSLSSFKENEEINQCGENFMDIECFMV
Host	Mouse
Reactivity	Human, Rat
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

CNR1 monoclonal antibody (M02), clone 1F9. Western Blot analysis of CNR1 expression in rat testis.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

Gene Info — CNR1

Entrez GeneID	1268
GeneBank Accession#	NM_016083
Protein Accession#	NP_057167

Gene Name	CNR1
Gene Alias	CANN6, CB-R, CB1, CB1A, CB1K5, CB1R, CNR
Gene Description	cannabinoid receptor 1 (brain)
Omim ID	114610
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	OTTHUMP00000016838 OTTHUMP00000016839 OTTHUMP00000016840 central cannabinoid receptor

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Acute Disease](#)
- [Affective Disorders](#)
- [Alcohol Withdrawal Delirium](#)
- [Alcohol Withdrawal Seizures](#)
- [Alcoholism](#)
- [Anorexia Nervosa](#)
- [Antisocial Personality Disorder](#)
- [Anxiety Disorders](#)
- [Arousal](#)
- [Asperger Syndrome](#)

- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Bulimia](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cocaine-Related Disorders](#)
- [Cognition Disorders](#)
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- [Colorectal Neoplasms](#)
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- [Inflammation](#)
- [Insulin Resistance](#)
- [Liver Cirrhosis](#)
- [Low Back Pain](#)
- [Marijuana Abuse](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
- [Mood Disorders](#)
- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)
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- [Puberty](#)
- [Schizophrenia](#)
- [Sciatica](#)

- [Seizures](#)
- [Social Perception](#)
- [Stress Disorders](#)
- [Substance Withdrawal Syndrome](#)
- [Substance-Related Disorders](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Tourette Syndrome](#)
- [Weight Gain](#)
- [Weight Loss](#)