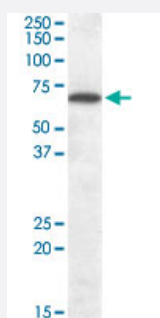


CNR1 polyclonal antibody

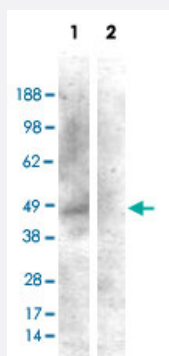
Catalog # PAB6876 Size 100 ug

Applications



Western Blot (Tissue lysate)

CNR1 polyclonal antibody (Cat # PAB6876) (0.1 ug/mL) staining of rat brain lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Western Blot (Transfected lysate)

HEK293 overexpressing CNR1 and probed with CNR1 polyclonal antibody (Cat # PAB6876) (mock transfection in second lane), tested by Origene.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of CNR1.
Immunogen	A synthetic peptide corresponding to human CNR1.
Sequence	C-HTSEDGKVQVTRPDQ
Host	Goat
Theoretical MW (kDa)	52.9, 45.9
Reactivity	Human

Specificity	This antibody is expected to recognize both reported isoforms (NP_057167.2 and NP_149421.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:32000) Western Blot (0.1-0.3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

CNR1 polyclonal antibody (Cat # PAB6876) (0.1 ug/mL) staining of rat brain lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Western Blot (Transfected lysate)

HEK293 overexpressing CNR1 and probed with CNR1 polyclonal antibody (Cat # PAB6876) (mock transfection in second lane), tested by Origene.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CNR1

Entrez GeneID	1268
Protein Accession#	NP_057167.2;NP_149421.1
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

Publication Reference

- [Dysfunction in Fatty Acid amide hydrolase is associated with depressive-like behavior in wistar kyoto rats.](#)

Vinod KY, Xie S, Psychoyos D, Hungund BL, Cooper TB, Tejani-Butt SM.

PLoS One 2012 May; 7(5):e36743.

Application: WB-Ti, Rat, Rat brain

- [Unresponsiveness to cannabinoids and reduced addictive effects of opiates in CB1 receptor knockout mice.](#)

Ledent C, Valverde O, Cossu G, Petitet F, Aubert JF, Beslot F, Bohme GA, Imperato A, Pedrazzini T, Roques BP, Vassart G, Fratta W, Parmentier M.

Science 1999 Jan; 283(5400):401.

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](#)
- [Colitis](#)
- [Colorectal Neoplasms](#)
- [Crohn Disease](#)
- [Cues](#)
- [Delirium](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Disease Progression](#)
- [Dyslipidemias](#)
- [Eating Disorders](#)

- [Edema](#)
- [Epilepsy](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Heart Diseases](#)
- [Heroin Dependence](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Liver Cirrhosis](#)
- [Low Back Pain](#)
- [Marijuana Abuse](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
- [Mood Disorders](#)
- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)
- [NARP](#)
- [Neovascularization](#)
- [Neuropsychological Tests](#)
- [Neurotic Disorders](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Pain](#)
- [Paranoid Disorders](#)

- [Parkinson disease](#)
- [Polycystic Ovary Syndrome](#)
- [Psychiatric Status Rating Scales](#)
- [Psychotic Disorders](#)
- [Puberty](#)
- [Schizophrenia](#)
- [Sciatica](#)
- [Seizures](#)
- [Social Perception](#)
- [Stress Disorders](#)
- [Substance Withdrawal Syndrome](#)
- [Substance-Related Disorders](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Tourette Syndrome](#)
- [Weight Gain](#)
- [Weight Loss](#)