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

CNRIP1 Antibody

Catalog # ASC11644

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q96F85
Other Accession	NP_056278, 24308071
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	18648
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	CNRIP1 antibody can be used for detection of CNRIP1 by Western blot at 1 - 2 g/mL.

Additional Information

Gene ID	25927
Other Names	CB1 cannabinoid receptor-interacting protein 1, CRIP-1, CNRIP1, C2orf32
Target/Specificity	CNRIP1; At least two isoforms of CNRIP1 are known to exist; this antibody will detect both isoforms.
Reconstitution & Storage	CNRIP1 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year.
Precautions	CNRIP1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CNRIP1
Synonyms	C2orf32
Function	[Isoform 1]: Suppresses cannabinoid receptor CNR1-mediated tonic inhibition of voltage-gated calcium channels.

Background

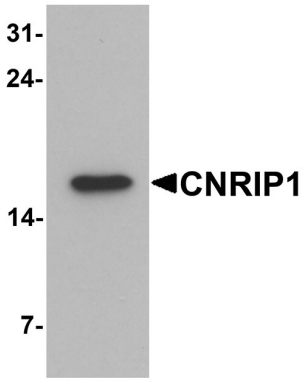
CNRIP1 Antibody: The CNRIP1 (cannabinoid receptor interacting protein 1) protein is a G-protein coupled receptor which interacts with the C-terminal tail of cannabinoid receptor 1 (CB1) and is thought to play a role in synaptic plasticity, analgesia, appetite, and neuroprotection. One isoform of CNRIP1, CNRIP1a,

modulates the constitutive CB1 receptor activity in the central nervous system (CNS), while the role of the shorter isoform CNRIP1b is yet unknown. CNRIP1 has been suggested as a potential target for CNS drug discovery.

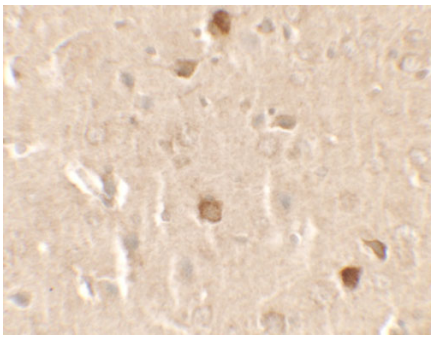
References

Niehaus JL, Liu Y, Wallis KT, et al. CB1 cannabinoid receptor activity is modulated by the cannabinoid receptor interacting protein CRIP 1a. Mol. Pharmacol. 2007; 72:1557-66.
Smith TH, Sim-Selley LJ, and Selley DE. Cannabinoid CB1 receptor-interacting proteins: novel targets for central nervous system drug discovery. Br. J. Pharm. 2010; 160:454-66.

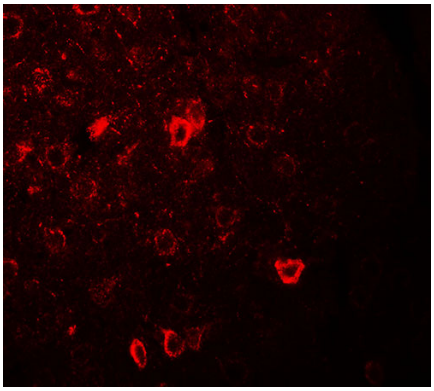
Images



Western blot analysis of CNRIP1 in human brain tissue lysate with CNRIP1 antibody at 1 µg/mL.



Immunohistochemistry of CNRIP1 in rat brain tissue with CNRIP1 antibody at 2.5 µg/ml.



Immunofluorescence of CNRIP1 in rat brain tissue with CNRIP1 antibody at 20 µg/ml.