

**CNRIP1 Antibody**  
Catalog # ASC11644

**Specification**

---

**CNRIP1 Antibody - Product Information**

Application	WB, IHC, IF
Primary Accession	<a href="#">Q96F85</a>
Other Accession	<a href="#">NP_056278</a> , <a href="#">25927</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	Predicted: 18 kDa

Application Notes	Observed: 16 kDa KDa CNRIP1 antibody can be used for detection of CNRIP1 by Western blot at 1 - 2 µg/mL.
-------------------	---

**CNRIP1 Antibody - Additional Information**

Gene ID	25927
---------	-------

**Target/Specificity**

CNRIP1 antibody was raised against a 15 amino acid peptide near the center of human CNRIP1.  
The immunogen is located within amino acids 50 - 100 of CNRIP1.

**Reconstitution & Storage**

CNRIP1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.

**Precautions**

CNRIP1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**CNRIP1 Antibody - Protein Information**

**Name** CNRIP1

**Synonyms** C2orf32

**Function**

[Isoform 1]: Suppresses cannabinoid receptor CNR1-mediated tonic inhibition of voltage-gated calcium channels.

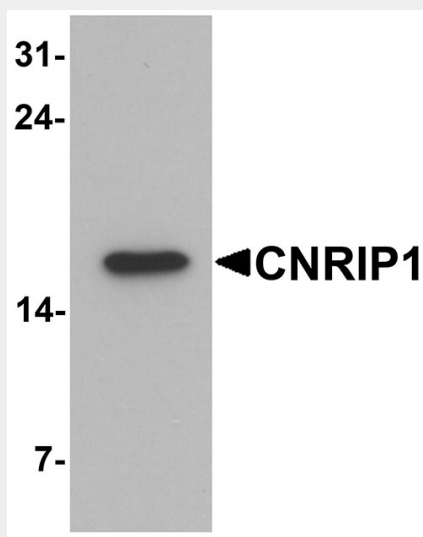
**CNRIP1 Antibody - Protocols**

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

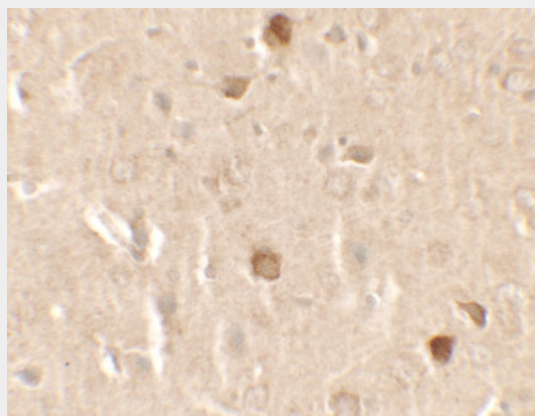
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

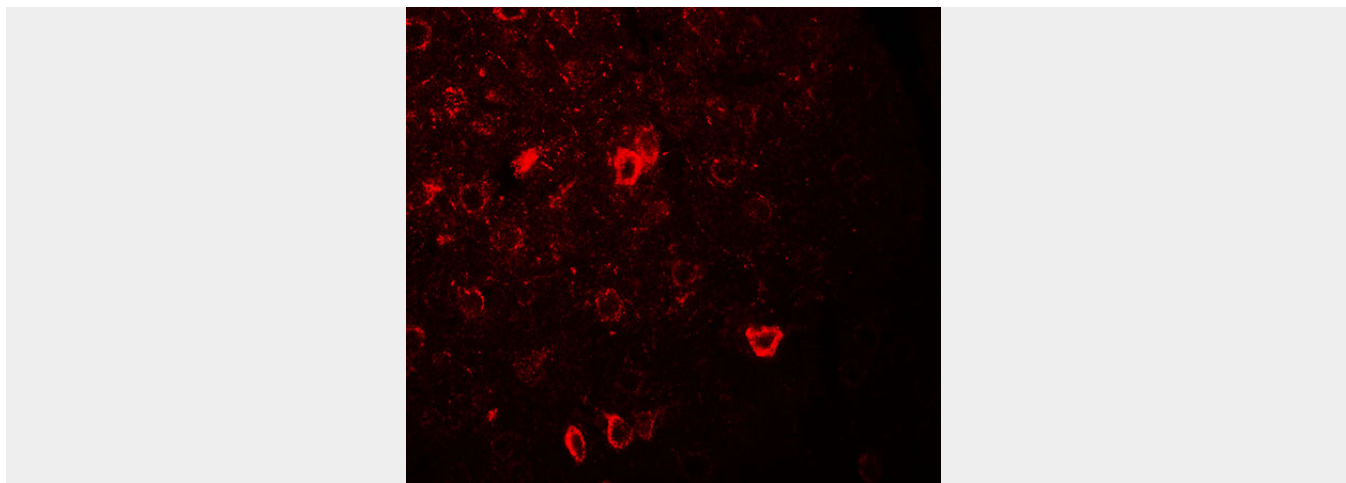
### CNRIP1 Antibody - Images



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  $\mu$ g/ml.

### **CNRIP1 Antibody - 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.

### **CNRIP1 Antibody - 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.