

**Product Name: CB1 Rabbit Polyclonal Antibody**  
**Catalog #: APRab08032**



## Summary

|                        |                                |
|------------------------|--------------------------------|
| <b>Production Name</b> | CB1 Rabbit Polyclonal Antibody |
| <b>Description</b>     | Rabbit Polyclonal Antibody     |
| <b>Host</b>            | Rabbit                         |
| <b>Application</b>     | IF,IHC,WB,                     |
| <b>Reactivity</b>      | Human,Mouse,Rat,Monkey         |

## Performance

|                     |  |
|---------------------|--|
| <b>Conjugation</b>  | Unconjugated   |
| <b>Modification</b> | Unmodified   |
| <b>Isotype</b>      | IgG  |
| <b>Clonality</b>    | Polyclonal   |
| <b>Form</b>         | Liquid   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| <b>Buffer</b>       | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.       |
| <b>Purification</b> | Affinity purification  |

## Immunogen

|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | CNR1  |
| <b>Alternative Names</b> | CNR1; CNR; Cannabinoid receptor 1; CB-R; CB1; CANN6   |
| <b>Gene ID</b>           | 1268.0  |
| <b>SwissProt ID</b>      | P21554.The antiserum was produced against synthesized peptide derived from human CNR1. AA range:151-200 |

## Application

|                         |   |
|-------------------------|---|
| <b>Dilution Ratio</b>   | WB 1:500 - 1:2000 IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications. |
| <b>Molecular Weight</b> | 53kD  |

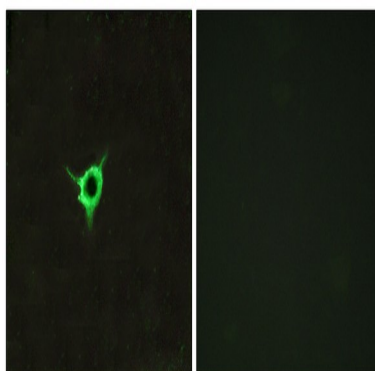
## Background

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. [provided by RefSeq, May 2009],function:Involved in cannabinoid-induced CNS effects. Acts by inhibiting adenylate cyclase. Could be a receptor for anandamide. Inhibits L-type Ca(2+) channel current. Isoform 2 and isoform 3 have altered ligand binding.,similarity:Belongs to the G-protein coupled receptor 1 family.,subunit:Interacts (via C-terminus) with CNRIP1.,tissue specificity:Widely expressed.,

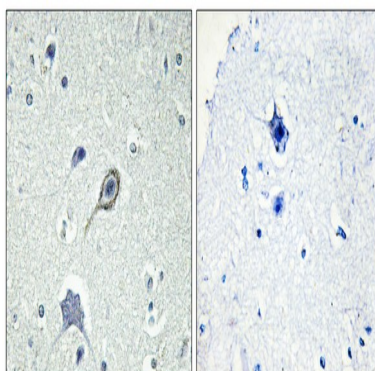
## Research Area

Neuroactive ligand-receptor interaction;

## Image Data



Immunofluorescence analysis of LOVO cells, using CNR1 Antibody. The picture on the right is blocked with the synthesized peptide.

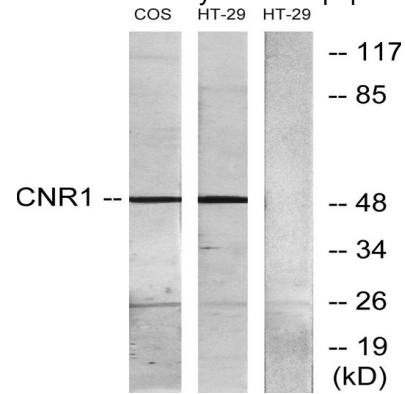


Immunohistochemistry analysis of paraffin-embedded human brain tissue, using CNR1 Antibody. The picture on the right is

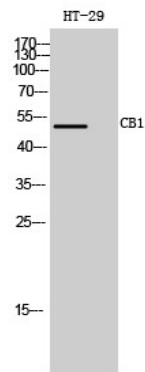
**Product Name: CB1 Rabbit Polyclonal Antibody**  
**Catalog #: APRab08032**



blocked with the synthesized peptide.



Western blot analysis of lysates from HT-29 and COS7 cells, using CNR1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of HT-29 cells using CB1 Polyclonal Antibody

## Note

For research use only.