

For Research Use Only

# Cannabinoid receptor 1 Polyclonal antibody

Catalog Number: 17978-1-AP

26 Publications



## Basic Information

Catalog Number:

17978-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12371

GenBank Accession Number:

BC074812

GeneID (NCBI):

1268

UNIPROT ID:

P21554

Full Name:

cannabinoid receptor 1 (brain)

Calculated MW:

472 aa, 53 kDa

Observed MW:

45 kDa, 66 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:200-1:800

IF-P 1:50-1:500

## Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB: SH-SY5Y cells, mouse brain tissue, rat brain tissue

IHC: mouse brain tissue,

IF-P: mouse brain tissue,

## Background Information

Cannabinoid receptor 1 (CNR1, or CB1) and CNR2 (CB2) are members of the guanine-nucleotide-binding protein (G-protein) coupled receptor family. The CB1 receptor is expressed mainly in the brain. The CB2 receptor is expressed mainly in the immune system and in hematopoietic cells. 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Tingting Guo	31634502	Neurosci Lett	IHC
Kaminitz Ayelet A	24219803	World J Biol Psychiatry	
An Liu	34037653	Food Funct	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

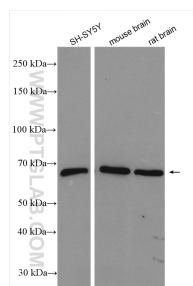
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

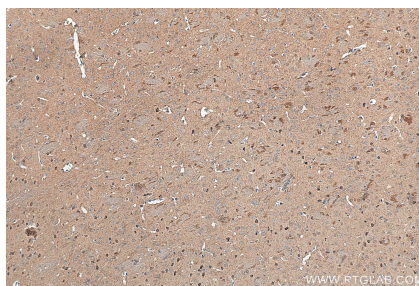
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

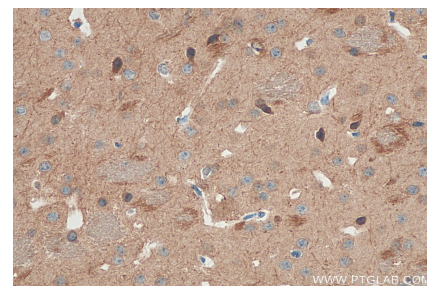
## Selected Validation Data



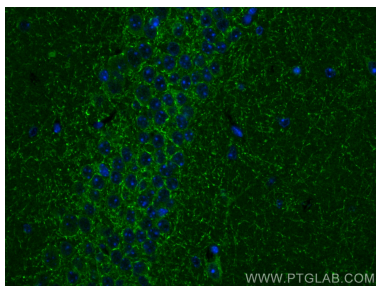
Various lysates were subjected to SDS PAGE followed by western blot with 17978-1-AP (Cannabinoid receptor 1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 17978-1-AP (Cannabinoid receptor 1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 17978-1-AP (Cannabinoid receptor 1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using Cannabinoid receptor 1 antibody (17978-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).