

For Research Use Only

Cannabinoid receptor 2 Polyclonal antibody

Catalog Number: 29371-1-AP

1 Publications



Basic Information

| | | |
|---|--|--|
| Catalog Number: 29371-1-AP | GenBank Accession Number: BC074767 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 600 ug/ml by Nanodrop; | GeneID (NCBI): 1269 | Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 |
| Source: Rabbit | UNIPROT ID: P34972 | |
| Isotype: IgG | Full Name: cannabinoid receptor 2 (macrophage) | |
| Immunogen Catalog Number: AG30609 | Calculated MW: 360 aa, 40 kDa | |
| | Observed MW: 60 kDa | |

Applications

| | |
|--|---------------------------|
| Tested Applications: WB, IHC, ELISA | Positive Controls: |
| Cited Applications: WB | WB : MCF-7 cells, |
| Species Specificity: human | IHC : mouse brain tissue, |
| Cited Species: mouse | |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | |

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 |
|----------|-----------|-----------------------|-------------|
| Qiang Wu | 39193000 | World J Gastroenterol | WB |

Storage

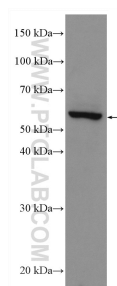
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

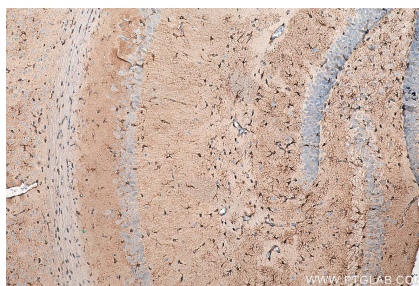
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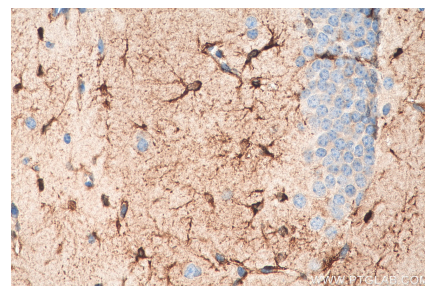
Selected Validation Data



MCF-7 cells were subjected to SDS PAGE followed by western blot with 29371-1-AP (Cannabinoid receptor 2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 29371-1-AP (Cannabinoid receptor 2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 29371-1-AP (Cannabinoid receptor 2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).