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

CNR2 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14969

Product Information

Application	WB
Primary Accession	P34972
Other Accession	NM_001841, NP_001832
Reactivity	Human, Mouse, Rat, Horse
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39681

Additional Information

Gene ID	1269
Alias Symbol	CB2, CX5
Other Names	Cannabinoid receptor 2, CB-2, CB2, hCB2, CX5, CNR2, CB2A, CB2B
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-CNR2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	CNR2 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

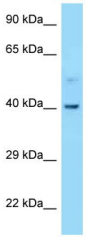
Name	CNR2
Synonyms	CB2A, CB2B
Function	Heterotrimeric G protein-coupled receptor for endocannabinoid 2-arachidonoylglycerol mediating inhibition of adenylate cyclase. May function in inflammatory response, nociceptive transmission and bone homeostasis.
Cellular Location	Cell membrane; Multi-pass membrane protein. Cell projection, dendrite. Perikaryon Note=Localizes to apical dendrite of pyramidal neurons.
Tissue Location	Preferentially expressed in cells of the immune system with higher expression

in B-cells and NK cells (at protein level). Expressed in skin in suprabasal layers and hair follicles (at protein level). Highly expressed in tonsil and to a lower extent in spleen, peripheral blood mononuclear cells, and thymus. PubMed:14657172 could not detect expression in normal brain. Expressed in brain by perivascular microglial cells and dorsal root ganglion sensory neurons (at protein level). Two isoforms are produced by alternative promoter usage and differ only in the 5' UTR: isoform CB2A is observed predominantly in testis with some expression in brain, while isoform CB2B is predominant in spleen and leukocytes

References

Munro S.,et al.Nature 365:61-65(1993).
Liu Q.-R.,et al.Genes Brain Behav. 8:519-530(2009).
Bruess M.,et al.Submitted (FEB-2003) to the EMBL/GenBank/DDBJ databases.
Warren C.N.,et al.Submitted (FEB-2003) to the EMBL/GenBank/DDBJ databases.
Saravanan T.,et al.Submitted (NOV-2005) to the EMBL/GenBank/DDBJ databases.

Images



WB Suggested Anti-CNR2 Antibody Titration: 1.0 µg/ml
Positive Control: 721_B Whole CellCNR2 is supported by BioGPS gene expression data to be expressed in 721_B

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.