

**CNR2 Blocking Peptide (N-term)**

Synthetic peptide

Catalog # BP21180a

**Specification**

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**CNR2 Blocking Peptide (N-term) - Product Information**Primary Accession [P34972](#)**CNR2 Blocking Peptide (N-term) - Additional Information**

Gene ID 1269

**Other Names**

Cannabinoid receptor 2, CB-2, CB2, hCB2, CX5, CNR2, CB2A, CB2B

**Target/Specificity**

The synthetic peptide sequence is selected from aa 18-33 of HUMAN CNR2

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**CNR2 Blocking Peptide (N-term) - 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

### **CNR2 Blocking Peptide (N-term) - Protocols**

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

- [Blocking Peptides](#)

### **CNR2 Blocking Peptide (N-term) - Images**

### **CNR2 Blocking Peptide (N-term) - Background**

Heterotrimeric G protein-coupled receptor for endocannabinoid 2-arachidonoylglycerol mediating inhibition of adenylate cyclase. May function in inflammatory response, nociceptive transmission and bone homeostasis.

### **CNR2 Blocking Peptide (N-term) - 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.