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CNR2 Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP21180a

Specification

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).
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Saravanan T.,et al.Submitted (NOV-2005) to the EMBL/GenBank/DDBJ databases.