


Product datasheet

Anti-Cannabinoid Receptor II antibody ab150569

1 Image

Overview

Product name	Anti-Cannabinoid Receptor II antibody
Description	Rabbit polyclonal to Cannabinoid Receptor II
Host species	Rabbit
Specificity	BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Monkey, Gorilla, Common marmoset, Elephant 
Immunogen	Synthetic peptide corresponding to Human Cannabinoid Receptor II (N terminal). A 20 amino acid synthetic peptide from the N-terminal extracellular domain of Human Cannabinoid Receptor II. Database link: P34972
Positive control	Human tonsil tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C.
Storage buffer	pH: 7.4 Preservative: 0.1% Sodium azide Constituent: 99.9% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

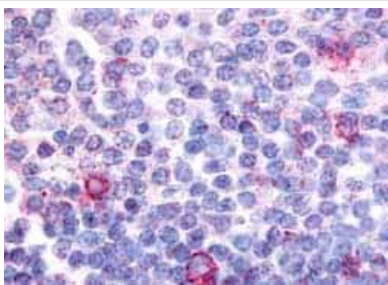
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab150569 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 17 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Target

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.
Tissue specificity	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).
Sequence similarities	Belongs to the G-protein coupled receptor 1 family.
Post-translational modifications	Constitutively phosphorylated on Ser-352; phosphorylation increases cell internalization and desensitizes the receptor.
Cellular localization	Cell membrane. Cell projection > dendrite. Perikaryon. Localizes to apical dendrite of pyramidal neurons.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cannabinoid Receptor II antibody (ab150569)

Immunohistochemical analysis of formalin fixed and paraffin embedded Human tonsil tissue, germinal center and mantle zone labelling Cannabinoid Receptor II with ab150569 at 17 ug/ml after heat-induced antigen retrieval.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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