Product datasheet

Anti-Cannabinoid Receptor II antibody ab77265

Overview

Product name: Anti-Cannabinoid Receptor II antibody
Description: Goat polyclonal to Cannabinoid Receptor II
Host species: Goat
Tested applications: Suitable for: ELISA, WB
Species reactivity: Reacts with: Human
Predicted to work with: Dog, Chimpanzee, Rhesus monkey
Immunogen: Synthetic peptide:
C-TETEADGKITPWPD
, corresponding to C terminal amino acids 338-351 of Human Cannabinoid Receptor II (NP_001832.1).
Positive control: Human T-cell line Jurkat cell lysate.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer: pH: 7.30
Preservative: 0.02% Sodium azide
 Constituents: 0.5% BSA, 0.5% Tris buffered saline
Purity: Immunogen affinity purified
Purification notes: ab77265 is purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunising peptide.
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab77265 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
Peptide ELISA: Antibody detection limit dilution 1/16000.
WB: Use at a concentration of 2 - 3 µg/ml. Detects a band of approximately 45 kDa (predicted molecular weight: 40 kDa).

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

Function

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 glanglion 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

Images

Anti-Cannabinoid Receptor II antibody (ab77265) at 2 µg/ml + Jurkat cell lysate in RIPA buffer at 35 µg

Predicted band size: 40 kDa
Observed band size: 45 kDa

why is the actual band size different from the predicted?

Primary incubation was 1 hour. Detected by chemiluminescence.
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