




Anti-Cannabinoid Receptor I antibody ab40860

★★★★★ [2 Abreviews](#) [2 References](#) [1 Image](#)

Overview

Product name	Anti-Cannabinoid Receptor I antibody
Description	Goat polyclonal to Cannabinoid Receptor I
Host species	Goat
Specificity	This antibody is expected to recognise both reported isoforms (NP_057167.2 and NP_149421.1).
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Dog 
Immunogen	Synthetic peptide corresponding to Human Cannabinoid Receptor I aa 320-334 (internal sequence). (NP_057167.2; NP_001153732.1; NP_001153731.1; NP_001153730.1; NP_001153698.1; NP_149421.1) Sequence: HTSEDGKVQVTRPDQ <div>  Run BLAST with  Run BLAST with </div>
Positive control	WB: HeLa cell lysate.
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified

Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab40860 in the following tested applications.

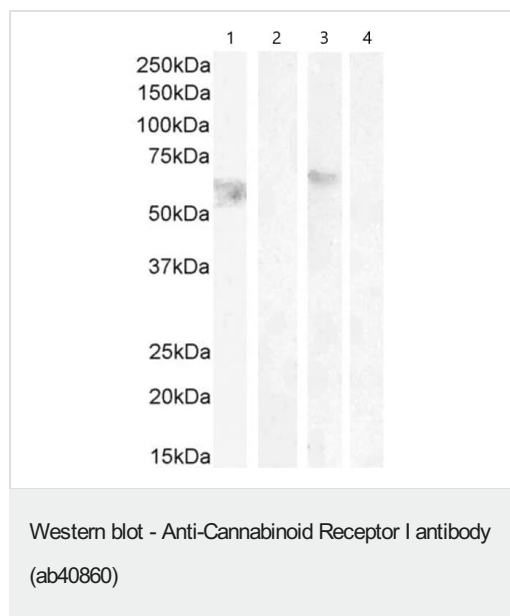
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★☆☆☆☆ (1)	Use a concentration of 0.5 - 2 µg/ml. Detects a band of approximately 54, 63 kDa (predicted molecular weight: 53 kDa). A 1 hour primary incubation is recommended for this product. The observed molecular weights correspond to the glycosylated (63 kDa) and unglycosylated (54 kDa) forms as described in the literature with different antibodies (Porcella et al, Eur J Neurosci. 2000 Mar;12(3):1123-7. PMID: 10762343).

Target

Function	Involved in cannabinoid-induced CNS effects. Acts by inhibiting adenylate cyclase. Could be a receptor for anandamide. Inhibits L-type Ca(2+) channel current. Isoform 2 and isoform 3 have altered ligand binding.
Tissue specificity	Widely expressed.
Sequence similarities	Belongs to the G-protein coupled receptor 1 family.
Cellular localization	Cell membrane.

Images



All lanes : Anti-Cannabinoid Receptor I antibody (ab40860) at 1 µg/ml

Lane 1 : HeLa lysate in RIPA buffer (non-glycosylated)

Lane 2 : HeLa lysate in RIPA buffer (non-glycosylated) with peptide at 0.5 µg/ml

Lane 3 : HeLa lysate in RIPA buffer (glycosylated)

Lane 4 : HeLa lysate in RIPA buffer (glycosylated) with peptide at 0.5 µg/ml

Lysates/proteins at 35 µg per lane.

Predicted band size: 53 kDa

Primary incubation 1 hour at room temperature. Detected by chemiluminescence.

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

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