




## Product datasheet

# Anti-Cannabinoid Receptor I antibody ab40860

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

### Overview

---

<b>Product name</b>	Anti-Cannabinoid Receptor I antibody
<b>Description</b>	Goat polyclonal to Cannabinoid Receptor I
<b>Host species</b>	Goat
<b>Specificity</b>	This antibody is expected to recognise both reported isoforms (NP_057167.2 and NP_149421.1).
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Dog 
<b>Immunogen</b>	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: HTSEDKGVQVTRPDQ <a href="#"> Run BLAST with</a> <a href="#"> Run BLAST with</a>
<b>Positive control</b>	WB: HeLa cell lysate.
<b>General notes</b>	<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&amp;As</p>

### Properties

---

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
<b>Purity</b>	Immunogen affinity purified

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

## Applications

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

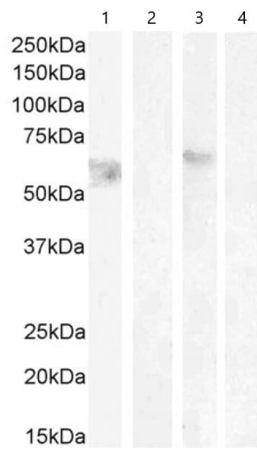
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

<b>Function</b>	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.
<b>Tissue specificity</b>	Widely expressed.
<b>Sequence similarities</b>	Belongs to the G-protein coupled receptor 1 family.
<b>Cellular localization</b>	Cell membrane.

## Images



Western blot - Anti-Cannabinoid Receptor I antibody (ab40860)

**All lanes :** Anti-Cannabinoid Receptor I antibody (ab40860) at 1  $\mu\text{g/ml}$

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

**Lane 2 :** HeLa lysate in RIPA buffer (non-glycosylated) with peptide at 0.5  $\mu\text{g/ml}$

**Lane 3 :** HeLa lysate in RIPA buffer (glycosylated)

**Lane 4 :** HeLa lysate in RIPA buffer (glycosylated) with peptide at 0.5  $\mu\text{g/ml}$

Lysates/proteins at 35  $\mu\text{g}$  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"

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors