

Product datasheet

Anti-Cannabinoid Receptor I (phospho S316) antibody [EPR2223(N)] ab186428

Recombinant RabMAb

★★★★☆ [1 Abreviews](#) [3 References](#) [2 Images](#)

Overview

Product name	Anti-Cannabinoid Receptor I (phospho S316) antibody [EPR2223(N)]
Description	Rabbit monoclonal [EPR2223(N)] to Cannabinoid Receptor I (phospho S316)
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt (Intra)
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human fetal brain lysate.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR2223(N)

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab186428 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)	1/1000. Detects a band of approximately 46, 53 kDa (predicted molecular weight: 53 kDa).

Application notes

Is unsuitable for Flow Cyt (Intra).

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.

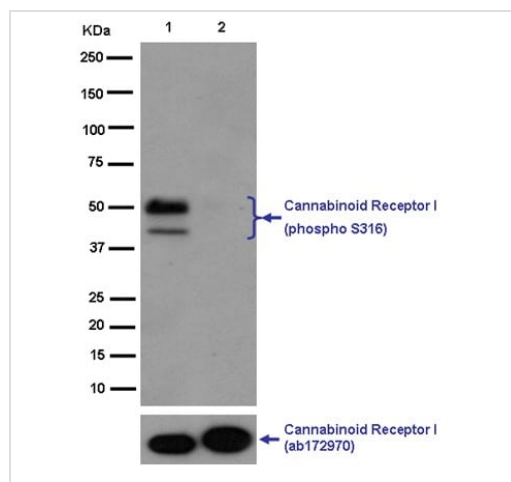
Sequence similarities

Belongs to the G-protein coupled receptor 1 family.

Cellular localization

Cell membrane.

Images



Western blot - Anti-Cannabinoid Receptor I (phospho S316) antibody [EPR2223(N)] (ab186428)

All lanes : Anti-Cannabinoid Receptor I (phospho S316) antibody [EPR2223(N)] (ab186428) at 1/1000 dilution

Lane 1 : Human fetal brain lysate

Lane 2 : Human fetal brain lysate with Lambda phosphatase

Lysates/proteins at 1/10 dilution per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 53 kDa


Observed band size: 53 kDa

Additional bands at: 46 kDa (possible isoform)

Based on the sequence analysis, ab186428 recognizes three

isoforms with the predicted MWs of 53KDa, 46KDa and 49KDa, respectively.

Why choose a recombinant antibody?



- Research with confidence**
Consistent and reproducible results
- Long-term and scalable supply**
Recombinant technology
- Success from the first experiment**
Confirmed specificity
- Ethical standards compliant**
Animal-free production

Anti-Cannabinoid Receptor 1 (phospho S316) antibody [EPR2223(N)] (ab186428)

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

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