

Product datasheet

Anti-TRPC1 antibody [EPR1417(2)] ab192031

Recombinant RabMAb

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Overview

Product name	Anti-TRPC1 antibody [EPR1417(2)]
Description	Rabbit monoclonal [EPR1417(2)] to TRPC1
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	SH-SY5Y, HepG2, Caco-2, human testis, mouse brain, rat brain, PC-12 and NIH3T3 lysates.
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	EPR1417(2)
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab192031 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		1/1000 - 1/10000. Detects a band of approximately 120 kDa (predicted molecular weight: 91 kDa).

Target

Function

Thought to form a receptor-activated non-selective calcium permeant cation channel. Probably is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. Seems to be also activated by intracellular calcium store depletion.

Tissue specificity

Seems to be ubiquitous.

Sequence similarities

Belongs to the transient receptor (TC 1.A.4) family. STrpC subfamily. TRPC1 sub-subfamily. Contains 4 ANK repeats.

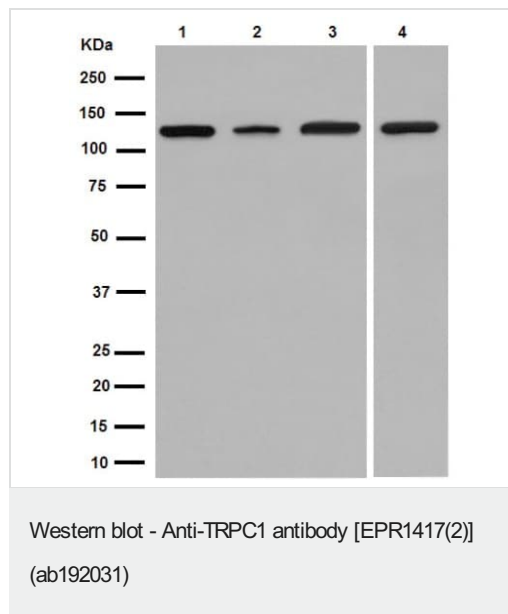
Post-translational modifications

Activation of PRKCA induces phosphorylation of TRPC1 and subsequent Ca²⁺ entry into cells.

Cellular localization

Membrane.

Images



All lanes : Anti-TRPC1 antibody [EPR1417(2)] (ab192031) at 1/10000 dilution

Lane 1 : SH-SY5Y lysate

Lane 2 : HepG2 lysate

Lane 3 : Caco-2 lysate

Lane 4 : Human testis lysate

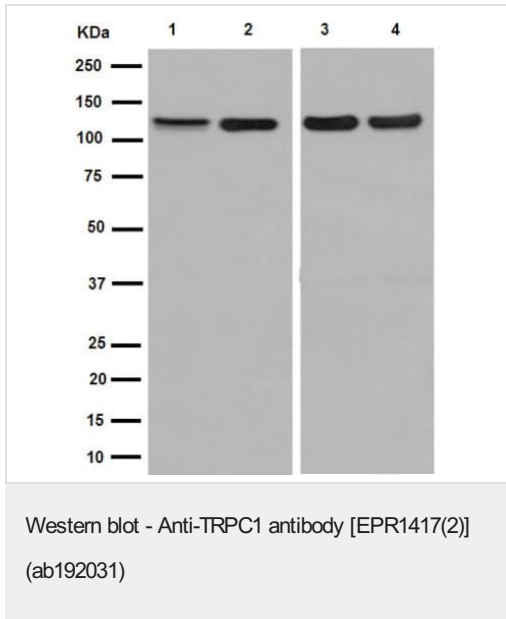
Lysates/proteins at 20 µg per lane.

Secondary

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

Predicted band size: 91 kDa

Observed band size: 120 kDa



All lanes : Anti-TRPC1 antibody [EPR1417(2)] (ab192031) at 1/1000 dilution

Lane 1 : Mouse brain lysate

Lane 2 : Rat brain lysate

Lane 3 : PC-12 lysate

Lane 4 : NIH3T3 lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 91 kDa

Observed band size: 120 kDa

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-TRPC1 antibody [EPR1417(2)] (ab192031)

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

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