


Product datasheet

Anti-TRPM2 antibody ab110895

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Overview

Product name	Anti-TRPM2 antibody
Description	Goat polyclonal to TRPM2
Host species	Goat
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Cow 
Immunogen	Synthetic peptide, conjugated to KLH, corresponding to a region within the internal sequence of Human TRPM2.
Positive control	Human brain cortex and pancreas tissues.
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. Store at +4°C short term (1-2 weeks). Store at -20°C long term.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
Purity	Protein G purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab110895 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
IHC-P		Use a concentration of 3.75 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function

Nonselective, voltage-independent cation channel mediating sodium and calcium ion influx in response to oxidative stress. Extracellular calcium passes through the channel and acts from the intracellular side as a positive regulator in channel activation. Activated by ADP-ribose, nicotinamide adenine dinucleotide (NAD(+)), reactive nitrogen species and arachidonic acid. Inactivated by intracellular ATP. Confers susceptibility to cell death following oxidative stress. Isoform 2 does not seem to be regulated by ADPR. Has ADP-ribose pyrophosphatase activity.

Tissue specificity

Highly expressed in brain and peripheral blood cells, such as neutrophils. Also detected in bone marrow, spleen, heart, liver and lung. Isoform 2 is found in neutrophil granulocytes.

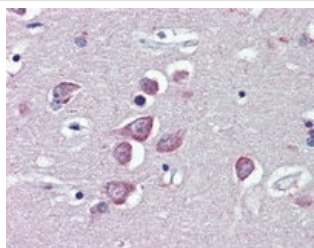
Sequence similarities

Belongs to the transient receptor (TC 1.A.4) family. LTrpC subfamily. TRPM2 sub-subfamily. Contains 1 nudix hydrolase domain.

Cellular localization

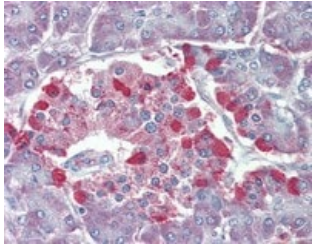
Membrane.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRPM2 antibody (ab110895)

ab110895, at 3.75 µg/ml, staining TRPM2 in formalin fixed, paraffin embedded Human brain cortex tissue by Immunohistochemistry. A biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen was used to develop staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRPM2 antibody (ab110895)

ab110895, at 3.75 µg/ml, staining TRPM2 in formalin fixed, paraffin embedded Human pancreas tissue by Immunohistochemistry. A biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen was used to develop staining.

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

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