abcam

Product datasheet

Anti-CLIC2 antibody [EPR6495] ab126727

Recombinant RabMAb

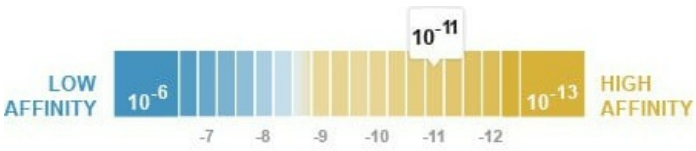
3 Images

Overview

Product name	Anti-CLIC2 antibody [EPR6495]
Description	Rabbit monoclonal [EPR6495] to CLIC2
Host species	Rabbit
Tested applications	**Suitable for:** WB **Unsuitable for:** IHC-P or IP
Species reactivity	**Reacts with:** Human **Predicted to work with:** Rat
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human fetal liver, Human heart, and Human testis lysates.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents. Mouse: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Dissociation constant (K_D)	$K_D = 3.10 \times 10^{-11}$ M



Learn more about K_D

Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR6495
Isotype	IgG

Applications

The Abpromise guarantee Our Abpromise guarantee covers the use of ab126727 in the following tested applications.

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

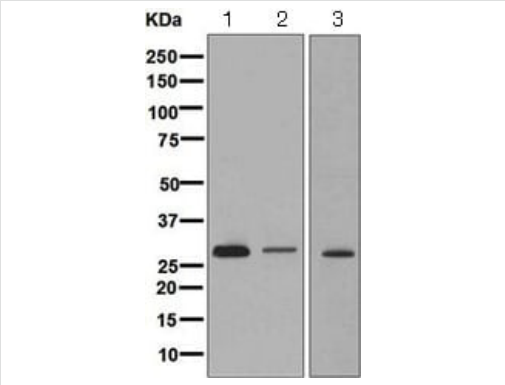
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 28 kDa (predicted molecular weight: 28 kDa).

Application notes Is unsuitable for IHC-P or IP.

Target

Function	Can insert into membranes and form chloride ion channels. Channel activity depends on the pH. Membrane insertion seems to be redox-regulated and may occur only under oxydizing conditions. Modulates the activity of RYR2 and inhibits calcium influx.
Tissue specificity	Detected in adult brain, heart, liver, lung, spleen, stomach and testis. Expressed in fetal liver and adult skeletal muscle.
Sequence similarities	Belongs to the chloride channel CLIC family. Contains 1 GST C-terminal domain.
Domain	Members of this family may change from a globular, soluble state to a state where the N-terminal domain is inserted into the membrane and functions as chloride channel. A conformation change of the N-terminal domain is thought to expose hydrophobic surfaces that trigger membrane insertion.
Cellular localization	Cytoplasm. Membrane. Exists both as soluble cytoplasmic protein and as membrane protein with probably a single transmembrane domain.

Images



Western blot - Anti-CLIC2 antibody [EPR6495] (ab126727)

All lanes : Anti-CLIC2 antibody [EPR6495] (ab126727) at 1/1000 dilution

Lane 1 : Human fetal liver lysate

Lane 2 : Human heart lysate

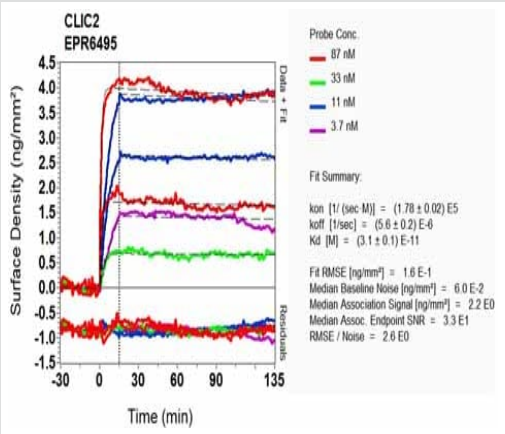
Lane 3 : Human testis lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 28 kDa



OI-RD Scanning - Anti-CLIC2 antibody [EPR6495] (ab126727)

Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D

Anti-CLIC2 antibody [EPR6495] (ab126727)

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