

DATASHEET

TRPC4 Rabbit Polyclonal Antibody

CAT. NO. APA13022

KEY FEATURES

Target	TRPC4	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

Forms a receptor-activated non-selective calcium permeant cation channel . Acts as a cell-cell contact-dependent endothelial calcium entry channel . Forms a homomeric ion channel or a heteromeric ion channel with TRPC1; the heteromeric ion channel has reduced calcium permeability compared to the homomeric channel . Also permeable to monovalent ions including sodium, lithium and cesium ions .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:50 - 1:100

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to TRPC4
Specificity	Recognizes endogenous levels of TRPC4 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human TRPC4
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 36; Observed: 112 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Short transient receptor potential channel 4; TrpC4; Trp-related protein 4; hTrp-4; hTrp4
Gene Symbol	TRPC4
Entrez Gene	7223(Human); 22066(Mouse)
SwissProt	Q9UBN4(Human); Q9QUQ5(Mouse); O35119(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

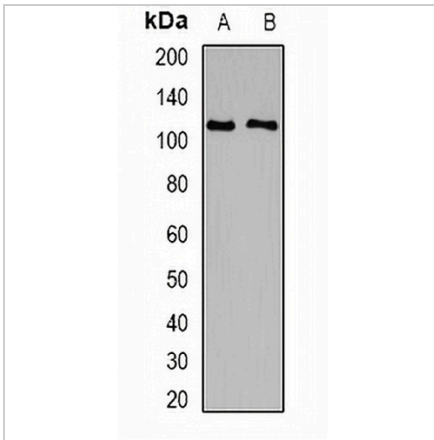
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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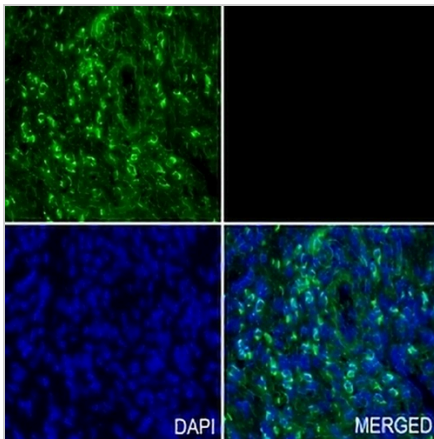
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DATA



Western blot analysis of TRPC4 expression in HeLa (A), mouse brain (B) whole cell lysates. (Predicted band size: 36; 92; 94; 96; 102; 112 kD; Observed band size: 112 kD)



Immunohistochemical analysis of TRPC4 staining in human lung formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. Tyramide-AREX® Fluor 488 (green) was used as the chromogen. The section was then counterstained with DAPI (blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.