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Datasheet for ABIN351140
anti-TRPC4 antibody (4th Cytoplasmic Loop)

Overview

Quantity:	500 µg
Target:	TRPC4
Binding Specificity:	4th Cytoplasmic Loop
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRPC4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthetic peptide from the 4th cytoplasmic loop of rat TRPC4 conjugated to an immunogenic carrier protein was used as the antigen.
Isotype:	IgG
Specificity:	Specific for TRPC4.

Target Details

Target:	TRPC4
Alternative Name:	TRPC4 (TRPC4 Products)
Background:	Function: Thought to form non-selective a receptor-activated calcium permeant cation channel. Probably is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. Has also been shown to be calcium-selective.

Target Details

May also be activated by intracellular calcium store depletion.

Subunit: Isoform alpha but not isoform beta associates with inositol-1,4,5-triphosphate receptor (ITPR). Interacts with NHERF. PROBABLE

Subcellular location: Membrane, Multi-pass membrane protein. Also known as: Short transient receptor potential channel 4, Trp4, Capacitative calcium entry channel 1, CCE1. GENE NAME: Trpc4.

Application Details

Application Notes: A concentration of 10-50 µg/ml is recommended.
The optimal dilution should be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute in 100 µL of sterile water. Centrifuge to remove any insoluble material.

Handling Advice: Avoid freeze and thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.

Expiry Date: 12 months