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Datasheet for ABIN6992159
anti-TRPC3 antibody (C-Term)

Overview

Quantity:	0.1 mg
Target:	TRPC3
Binding Specificity:	AA 710-760, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRPC3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	TRPC3 antibody was raised against a 19 amino acid peptide from near the carboxy terminus of human TRPC3. The immunogen is located within amino acids 710 - 760 of TRPC3.
Isotype:	IgG
Specificity:	TRPC3 antibody is human, mouse and rat reactive. At least four isoforms are known to exist, this antibody will detect the three largest isoforms. TRPC3 antibody is predicted to not cross-react with TRPC6.
Purification:	TRPC3 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	TRPC3
Alternative Name:	TRPC3 (TRPC3 Products)

Target Details

Background: The mammalian transient receptor potential (TRP) superfamily can be divided into three major families including the "canonical TRP" (TRPC) family. The seven members of this family share the activation through PLC-coupled receptors and have been suggested to be components of receptor-regulated cation channels in different cell types. Furthermore, the members of the TRPC3/6/7 subfamily can be activated by diacylglycerol analogs, suggesting a possible mechanism of activation of these channels by PLC-coupled receptors. TRPC3 encodes a Ca²⁺-permeant channel that is agonist-activated but not store-operated or directly receptor-activated. TRPC3 physically interacts with TRPC6 and TRPC7 and forms functional tetrameric channels.

Molecular Weight: Predicted: 90, 93, 101 kDa

Observed: 93 kDa

Gene ID: 7222

NCBI Accession: [NP_001124170](#)

UniProt: [Q13507](#)

Application Details

Application Notes: TRPC3 antibody can be used for the detection of TRPC3 by Western blot at 1 - 2 μ g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 μ g/mL.

Antibody validated: Western Blot in human samples and Immunohistochemistry in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: TRPC3 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Handling

Storage Comment: TRPC3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.