

Datasheet for ABIN6990670

**anti-TRPC3 antibody (C-Term)**[Go to Product page](#)

## Overview

Quantity:	0.1 mg
Target:	TRPC3
Binding Specificity:	AA 760-810, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRPC3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

## Product Details

Immunogen:	TRPC3 antibody was raised against a 14 amino acid synthetic peptide from near the carboxy terminus of human TRPC3. The immunogen is located within amino acids 760 - 810 of TRPC3.
Isotype:	IgG
Purification:	TRPC3 Antibody is affinity chromatography purified via peptide column.

## Target Details

Target:	TRPC3
Alternative Name:	TRPC3 ( <a href="#">TRPC3 Products</a> )
Background:	TRPC3 Antibody: The mammalian transient receptor potential (TRP) superfamily can be divided into three major families including the "canonical TRP" (TRPC) family. The seven members of

## Target Details

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 Ca<sup>2+</sup>-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.

Gene ID: 7222

UniProt: [Q13507](#)

## Application Details

Application Notes: TRPC3 antibody can be used for the detection of TRPC3 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 2 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in human samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse 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

Storage Comment: TRPC3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.