

[Go to Product page](#)

Datasheet for ABIN6990665 **anti-TRPC3 antibody (N-Term)**

Overview

Quantity:	0.1 mg
Target:	TRPC3
Binding Specificity:	AA 120-170, N-Term
Reactivity:	Human
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 14 amino acid synthetic peptide from near the amino terminus of human TRPC3. The immunogen is located within amino acids 120 - 170 of TRPC3.
Isotype:	IgG
Specificity:	This antibody may cross-react with TRPC6 and TRPC7.
Purification:	TRPC3 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	TRPC3
Alternative Name:	TRPC3 (TRPC3 Products)
Background:	TRPC3 Antibody: The mammalian transient receptor potential (TRP) superfamily can be divided

Target Details

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 Ca^{2+} -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: 93 kDa
	Observed: 100 kDa

Gene ID:	7222
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UniProt:	Q13507
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Application Details

Application Notes:	TRPC3 antibody can be used for the detection of TRPC3 by Western blot at 1 - 2 $\mu\text{g/mL}$. Antibody can also be used for immunohistochemistry starting at 10 $\mu\text{g/mL}$. Antibody validated: Western Blot in human samples and Immunohistochemistry in mouse samples. All other applications and species not yet tested.
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Restrictions:	For Research Use only
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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.