

**TRPC7 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16864b****Specification**

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**TRPC7 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9HCX4</a>
Other Accession	<a href="#">NP_065122.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	99562
Antigen Region	834-862

**TRPC7 Antibody (C-term) - Additional Information****Gene ID** 57113**Other Names**

Short transient receptor potential channel 7, TrpC7, Transient receptor protein 7, TRP-7, hTRP7, TRPC7, TRP7

**Target/Specificity**

This TRPC7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 834-862 amino acids from the C-terminal region of human TRPC7.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TRPC7 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TRPC7 Antibody (C-term) - Protein Information****Name** TRPC7

## Synonyms TRP7

**Function** Forms a receptor-activated non-selective calcium permeant cation channel. Probably is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. Activated by diacylglycerol (DAG) (By similarity). May also be activated by intracellular calcium store depletion.

## Cellular Location

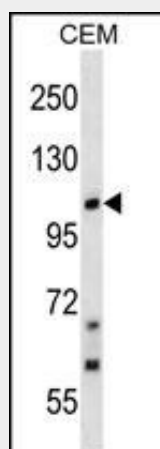
Cell membrane; Multi-pass membrane protein. Nucleus envelope

## TRPC7 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## TRPC7 Antibody (C-term) - Images



TRPC7 Antibody (C-term) (Cat. #AP16864b) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the TRPC7 antibody detected the TRPC7 protein (arrow).

## TRPC7 Antibody (C-term) - Background

Thought to form a receptor-activated non-selective calcium permeant cation channel. Probably is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. Activated by diacylglycerol (DAG) (By similarity). May also be activated by intracellular calcium store depletion.

## TRPC7 Antibody (C-term) - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :  
Miyagi, K., et al. J. Biol. Chem. 284(49):34400-34412(2009)  
Graubert, T.A., et al. PLoS ONE 4 (2), E4583 (2009) :

Abed, E., et al. Cell Prolif. 40(6):849-865(2007)

Numaga, T., et al. Handb Exp Pharmacol 179, 143-151 (2007) :