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# TRPC4 Antibody (C-term) Blocking Peptide

**Synthetic peptide**
**Catalog # BP16760b**

## Specification

### TRPC4 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9UBN4

### TRPC4 Antibody (C-term) Blocking Peptide - Additional Information

**Gene ID** 7223

**Other Names**
Short transient receptor potential channel 4, TrpC4, Trp-related protein 4, hTrp-4, hTrp4, TRPC4

**Format**
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

### TRPC4 Antibody (C-term) Blocking Peptide - Protein Information

**Name** TRPC4

**Function**
Forms a receptor-activated non-selective calcium permeant cation channel. Acts as a cell-cell contact-dependent endothelial calcium entry channel. Probably operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G- protein coupled receptors. Mediates cation entry, with an enhanced permeability to barium over calcium. May also be activated by intracellular calcium store depletion.

**Cellular Location**
Membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Note=Enhanced insertion into the cell membrane after activation of the EGF receptor

**Tissue Location**
Strongly expressed in placenta. Expressed at lower levels in heart, pancreas, kidney and brain. Expressed in endothelial cells. Isoform alpha was found to be the predominant isoform. Isoform beta was not found in pancreas and brain

### TRPC4 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

**TRPC4 Antibody (C-term) Blocking Peptide - Images**

**TRPC4 Antibody (C-term) Blocking Peptide - Background**

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**TRPC4 Antibody (C-term) Blocking Peptide - References**

Mace, K.E., et al. J. Cell. Physiol. 225(2):444-453(2010)von Spiczak, S., et al. Neuromolecular Med. 12(3):292-299(2010)Pinheiro, A.P., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (5), 1070-1080 (2010) :Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Schaefer, M., et al. J. Biol. Chem. 277(5):3752-3759(2002)