

TRPC1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16863b**Specification**

TRPC1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [P48995](#)

TRPC1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 7220

Other Names

Short transient receptor potential channel 1, TrpC1, Transient receptor protein 1, TRP-1, TRPC1, TRP1

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.

TRPC1 Antibody (C-term) Blocking Peptide - Protein Information

Name TRPC1

Synonyms TRP1

Function

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. Seems to be also activated by intracellular calcium store depletion.

Cellular Location

Membrane; Multi-pass membrane protein.

Tissue Location

Seems to be ubiquitous.

TRPC1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TRPC1 Antibody (C-term) Blocking Peptide - Images

TRPC1 Antibody (C-term) Blocking Peptide - Background

TRPC1 belongs to the transient receptor potential (TRP) superfamily of cation channels. TRP cation channels are involved in diverse physiologic processes, including receptor- and store-operated Ca^{2+} entry, mineral absorption, and cell death. They also function as sensors for pain, heat, cold, sound, stretch, and osmotic changes (Zhang et al., 2009 [PubMed19193631]).

TRPC1 Antibody (C-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Bomben, V.C., et al. Glia 58(10):1145-1156(2010) Lu, M., et al. J. Mol. Endocrinol. 44(5):285-294(2010) Gonzalez-Cobos, J.C., et al. Front. Biosci. 15, 1023-1039 (2010) :Ingueneau, C., et al. J. Cell. Mol. Med. 13 (8B), 1620-1631 (2009) :