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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

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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 indiverse physiologic processes, including receptor- andstore-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) :