

TRPC3 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP14579b**Specification**

TRPC3 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q13507](#)**TRPC3 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 7222**Other Names**

Short transient receptor potential channel 3, TrpC3, Transient receptor protein 3, TRP-3, hTrp-3, hTrp3, TRPC3, TRP3

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.

TRPC3 Antibody (C-term) Blocking Peptide - Protein Information**Name** TRPC3**Synonyms** TRP3**Function**

Forms a receptor-activated non-selective calcium permeant cation channel (PubMed:8646775, PubMed:9417057, PubMed:9930701, PubMed:20095964, PubMed:30139744, PubMed:29726814, PubMed:35051376). May be operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors (PubMed:8646775).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Expressed predominantly in brain and at much lower levels in ovary, colon, small intestine, lung, prostate, placenta and testis

TRPC3 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TRPC3 Antibody (C-term) Blocking Peptide - Images**TRPC3 Antibody (C-term) Blocking Peptide - 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) in a membrane-delimited fashion, independently of protein kinase C, and by inositol-1,4,5-triphosphate receptors (ITPR) with bound IP3. May also be activated by internal calcium store depletion.

TRPC3 Antibody (C-term) Blocking Peptide - References

Shimada, M., et al. Hum. Genet. 128(4):433-441(2010) Smedlund, K., et al. Circ. Res. 106(9):1479-1488(2010) Kiyonaka, S., et al. Yakugaku Zasshi 130(3):303-311(2010) Nishida, M., et al. Yakugaku Zasshi 130(3):295-302(2010) Shirakawa, H., et al. Yakugaku Zasshi 130(3):281-287(2010)