10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TRPM3 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP9707a

Specification

TRPM3 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q9HCF6

TRPM3 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 80036

Other Names
Transient receptor potential cation channel subfamily M member 3, Long transient receptor potential channel 3, LTrpC-3, LTrpC3, Melastatin-2, MLSN2, TRPM3, KIAA1616, LTRPC3

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.

TRPM3 Antibody (N-term) Blocking Peptide - Protein Information

Name TRPM3

Synonyms KIAA1616, LTRPC3

Function
Calcium channel mediating constitutive calcium ion entry. Its activity is increased by reduction in extracellular osmolarity, by store depletion and muscarinic receptor activation. In addition, forms heteromultimeric ion channels with TRPM1 which are permeable for calcium and zinc ions (PubMed:21278253).

Cellular Location
Cell membrane; Multi-pass membrane protein

Tissue Location
Expressed primarily in the kidney and, at lower levels, in brain, testis, ovary, pancreas and spinal cord. Expression in the brain and kidney was determined at protein level. In the kidney, expressed predominantly in the collecting tubular epithelium in the medulla, medullary rays, and periglomerular regions; in the brain, highest levels are found in the cerebellum, choroid plexus, the locus coeruleus, the posterior thalamus and the substantia nigra. Down- regulated in renal tumors compared to normal kidney. Expressed in the lens (PubMed:25090642).

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TRPM3 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

TRPM3 Antibody (N-term) Blocking Peptide - Images

TRPM3 Antibody (N-term) Blocking Peptide - Background

Calcium channel mediating constitutive calcium ion entry. Its activity is increased by reduction in extracellular osmolarity, by store depletion and muscarinic receptor activation.

TRPM3 Antibody (N-term) Blocking Peptide - References

Nagase T., et.al., DNA Res. 7:273-281(2000).Lee N., Chen J., et.al., J. Biol. Chem. 278:20890-20897(2003).