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ANO6 Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP20252a

Specification

ANO6 Blocking Peptide (N-term) - Product Information

Primary Accession	Q4KMQ2
Other Accession	NP_001020527.2

ANO6 Blocking Peptide (N-term) - Additional Information

Gene ID 196527

Other Names
Anoctamin-6, Small-conductance calcium-activated nonselective cation channel, SCAN channel, Transmembrane protein 16F, ANO6, TMEM16F

Target/Specificity
The synthetic peptide sequence is selected from aa 83-96 of HUMAN ANO6

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.

ANO6 Blocking Peptide (N-term) - Protein Information

Name ANO6 (HGNC:25240)

Function
Small-conductance calcium-activated nonselective cation (SCAN) channel which acts as a regulator of phospholipid scrambling in platelets and osteoblasts. Phospholipid scrambling results in surface exposure of phosphatidylserine which in platelets is essential to trigger the clotting system whereas in osteoblasts is essential for the deposition of hydroxyapatite during bone mineralization. Has calcium- dependent phospholipid scramblase activity; scrambles phosphatidylserine, phosphatidylcholine and galactosylceramide (By similarity). Can generate outwardly rectifying chloride channel currents in airway epithelial cells and Jurkat T lymphocytes.

Cellular Location
Cell membrane; Multi-pass membrane protein. Note=Shows an intracellular localization according to PubMed:22075693

Tissue Location

Expressed in embryonic stem cell, fetal liver, retina, chronic myologenous leukemia and intestinal cancer

ANO6 Blocking Peptide (N-term) - Protocols

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

- Blocking Peptides

ANO6 Blocking Peptide (N-term) - Images

ANO6 Blocking Peptide (N-term) - Background

May act as a calcium-activated chloride channel.

ANO6 Blocking Peptide (N-term) - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :
Hartzell, H.C., et al. J. Physiol. (Lond.) 587 (PT 10), 2127-2139 (2009) :
Katoh, M., et al. Int. J. Oncol. 24(5):1345-1349(2004)
Adams, M.D., et al. Nature 377 (6547 SUPPL), 3-174 (1995) :