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ARMCX1 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP16440c

Specification

ARMCX1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession	Q9P291

ARMCX1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 51309

Other Names
Armadillo repeat-containing X-linked protein 1, ARM protein lost in epithelial cancers on chromosome X 1, Protein ALEX1, ARMCX1, ALEX1

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.

ARMCX1 Antibody (Center) Blocking Peptide - Protein Information

Name ARMCX1

Synonyms ALEX1

Function
Regulates mitochondrial transport during axon regeneration. Increases the proportion of motile mitochondria by recruiting stationary mitochondria into the motile pool. Enhances mitochondria movement and neurite growth in both adult axons and embryonic neurons. Promotes neuronal survival and axon regeneration after nerve injury. May link mitochondria to the Trak1-kinesin motor complex via its interaction with MIRO1.

Cellular Location
Mitochondrion {ECO:0000250|UniProtKB:Q9CX83}. Mitochondrion outer membrane {ECO:0000250|UniProtKB:Q9CX83}; Single- pass membrane protein

Tissue Location
Expressed at high levels ovary, heart, testis, prostate, brain, spleen and colon. Expressed at very low levels in liver and thymus. Not expressed in peripheral blood leukocytes. Not or reduced expressed in lung, prostate, colon, pancreas and ovarian carcinomas.

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ARMCX1 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

ARMCX1 Antibody (Center) Blocking Peptide - Images

ARMCX1 Antibody (Center) Blocking Peptide - Background

ARMCX1 is a member of the ALEX family of proteinsand may play a role in tumor suppression. The encoded proteincontains a potential N-terminal transmembrane domain and twoArmadillo (arm) repeats. Other proteins containing the arm repeatare involved in development, maintenance of tissue integrity, andtumorigenesis. This gene is closely localized with other familymembers, including ALEX2 and ALEX3, on the X chromosome. [providedby RefSeq].

ARMCX1 Antibody (Center) Blocking Peptide - References

Iseki, H., et al. Cancer Sci. 101(6):1361-1366(2010)Ross, M.T., et al. Nature 434(7031):325-337(2005)Kurochkin, I.V., et al. Biochem. Biophys. Res. Commun. 280(1):340-347(2001)