

**ARMCX1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16440c****Specification**

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**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.

## **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 proteins and may play a role in tumor suppression. The encoded protein contains a potential N-terminal transmembrane domain and two Armadillo (arm) repeats. Other proteins containing the arm repeat are involved in development, maintenance of tissue integrity, and tumorigenesis. This gene is closely localized with other family members, including ALEX2 and ALEX3, on the X chromosome. [provided by 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)