

# Anti-ARMCX1 Antibody

Rabbit polyclonal antibody to ARMCX1 Catalog # AP60426

#### **Product Information**

Application WB
Primary Accession Q9P291
Other Accession Q9CX83

**Reactivity** Human, Mouse, Rat, Monkey

Host Rabbit
Clonality Polyclonal
Calculated MW 49180

#### **Additional Information**

**Gene ID** 51309

Other Names ALEX1; Armadillo repeat-containing X-linked protein 1; ARM protein lost in

epithelial cancers on chromosome X 1; Protein ALEX1

**Target/Specificity** KLH-conjugated synthetic peptide encompassing a sequence within the

N-term region of human ARMCX1. The exact sequence is proprietary.

**Dilution** WB~~WB (1/500 - 1/1000)

**Format** Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30%

glycerol, and 0.09% (W/V) sodium azide.

**Storage** Store at -20 °C.Stable for 12 months from date of receipt

#### **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.

## **Background**

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human ARMCX1. The exact sequence is proprietary.

### **Images**



Western blot analysis of ARMCX1 expression in rat kidney (A) whole cell lysates.

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