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Anti-ARMCX1 Antibody

Catalog # AP60426

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q9P291
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49180

Additional Information

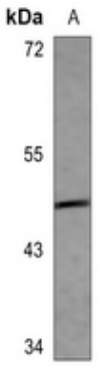
Gene ID	51309
Other Names	ALEX1; Armadillo repeat-containing X-linked protein 1; ARM protein lost in epithelial cancers on chromosome X 1; Protein ALEX1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human ARMCX1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

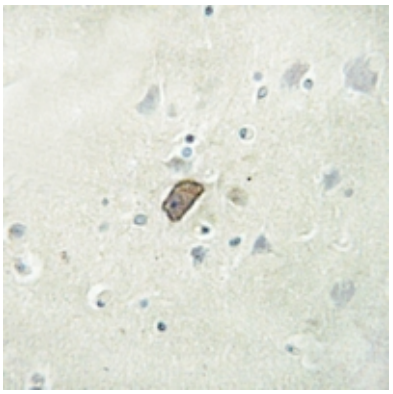
Name	ARMCX1
Synonyms	ALEX1
Function	Regulates mitochondrial transport during axon regeneration. Increases the proportion of motile mitochondria by recruiting stationary mitochondria into the motile pool. Enhances mitochondria movement and neurite growth in both adult axons and embryonic neurons. Promotes 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.

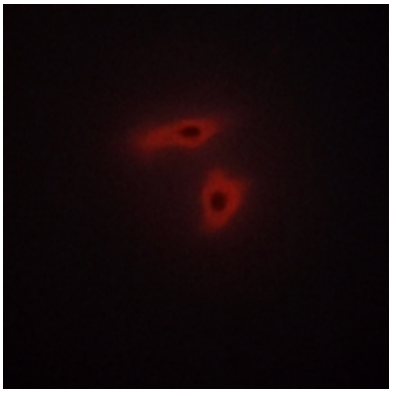
Images



Western blot analysis of ARMCX1 expression in rat kidney (A) whole cell lysates. (Predicted band size: 49 kD; Observed band size: 49 kD)



Immunohistochemical analysis of ARMCX1 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of ARMCX1 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.