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ARMCX1 Polyclonal Antibody

Catalog # AP68514

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q9P291
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49180

Additional Information

Gene ID	51309
Other Names	ARMCX1; ALEX1; AD032; Armadillo repeat-containing X-linked protein 1; ARM protein lost in epithelial cancers on chromosome X 1; Protein ALEX1
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

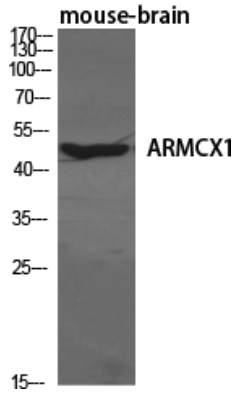
Name	ARMCX1
Synonyms	ALEX1
Function	Regulates mitochondrial transport during axon regeneration. Increases the proportion of motile mitochondria by recruiting stationary mitochondria into the motile pool. Enhances mitochondria movement and neurite growth in both adult axons and embryonic neurons. Promotes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

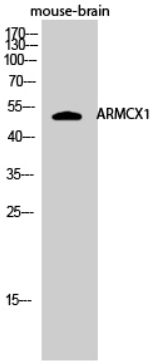
Background

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.

Images



Western Blot analysis of various cells using ARMCX1 Polyclonal Antibody diluted at 1：1000



Western Blot analysis of mouse-brain cells using ARMCX1 Polyclonal Antibody diluted at 1：1000