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ARMCX3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18534b

Product Information

Application	WB, E
Primary Accession	Q9UH62
Other Accession	NP_057691.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38578
Calculated MW	42501
Antigen Region	299-325

Additional Information

Gene ID	51566
Other Names	Armadillo repeat-containing X-linked protein 3, ARM protein lost in epithelial cancers on chromosome X 3, Protein ALEX3, ARMCX3, ALEX3
Target/Specificity	This ARMCX3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 299-325 amino acids from the C-terminal region of human ARMCX3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ARMCX3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ARMCX3
Synonyms	ALEX3

Function	Regulates mitochondrial aggregation and transport in axons in living neurons. May link mitochondria to the TRAK2-kinesin motor complex via its interaction with Miro and TRAK2. Mitochondrial distribution and dynamics is regulated through ARMCX3 protein degradation, which is promoted by PCK and negatively regulated by WNT1. Enhances the SOX10-mediated transactivation of the neuronal acetylcholine receptor subunit alpha-3 and beta-4 subunit gene promoters.
Cellular Location	Mitochondrion outer membrane {ECO:0000250|UniProtKB:Q8BHS6}; Single-pass membrane protein. Cytoplasm {ECO:0000250|UniProtKB:Q8BHS6}. Nucleus {ECO:0000250|UniProtKB:Q8BHS6}

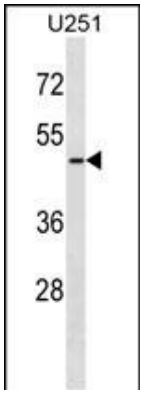
Background

This gene encodes a member of the ALEX family of proteins which may play a role in tumor suppression. The encoded protein contains a potential N-terminal transmembrane domain and a single Armadillo (arm) repeat. 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 on the X chromosome. Three transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq].

References

Mou, Z., et al. J. Biol. Chem. 284(20):13629-13640(2009)
Olsen, J.V., et al. Cell 127(3):635-648(2006)
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Ross, M.T., et al. Nature 434(7031):325-337(2005)
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Images



ARMCX3 Antibody (C-term) (Cat. #AP18534b) western blot analysis in U251 cell line lysates (35ug/lane).This demonstrates the ARMCX3 antibody detected the ARMCX3 protein (arrow).

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