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ARMC9 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13443a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q7Z3E5
Other Accession	NP_079415.3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32514
Calculated MW	91819
Antigen Region	95-124

Additional Information

Gene ID	80210
Other Names	LisH domain-containing protein ARMC9, Melanoma/melanocyte-specific tumor antigen KU-MEL-1, NS21, ARMC9, KIAA1868
Target/Specificity	This ARMC9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 95-124 amino acids from the N-terminal region of human ARMC9.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	ARMC9 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ARMC9 (HGNC:20730)
Synonyms	KIAA1868
Function	Involved in ciliogenesis (PubMed: 32453716). It is required for appropriate

	acetylation and polyglutamylation of ciliary microtubules, and regulation of cilium length (PubMed:32453716). Acts as a positive regulator of hedgehog (Hh)signaling (By similarity). May participate in the trafficking and/or retention of GLI2 and GLI3 proteins at the ciliary tip (By similarity).
Cellular Location	Cytoplasm, cytoskeleton, cilium basal body. Cell projection, cilium {ECO:0000250|UniProtKB:Q9D2I5}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole Note=Localized to the proximal region in cilia. Stimulation of Hh signaling leads to redistribution of ARMC9 toward the ciliary tip within 6 hours, follow by a gradual return to its original proximal location (By similarity). Localizes to the daughter centriole of the primary cilium in RPE1 cells (PubMed:28625504) {ECO:0000250|UniProtKB:Q9D2I5, ECO:0000269|PubMed:28625504}
Tissue Location	Strongly expressed in most melanomas and melanocytes. Weakly expressed in the testis

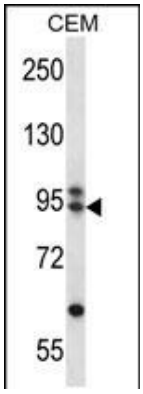
Background

The specific function of the protein remains unknown.

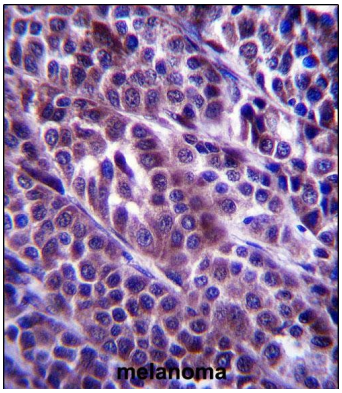
References

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Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Hillier, L.W., et al. Nature 434(7034):724-731(2005)
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Images



ARMC9 Antibody (N-term) (Cat. #AP13443a) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the ARMC9 antibody detected the ARMC9 protein (arrow).



ARMC9 Antibody (N-term) (Cat. #AP13443a)immunohistochemistry analysis in formalin fixed and paraffin embedded human melanoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of ARMC9 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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