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MYO3B Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12257b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q8WXR4
Other Accession	NP_001165113.1, NP_620482.3
Reactivity	Human
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB09753
Calculated MW	151829
Antigen Region	1086-1116

Additional Information

Gene ID	140469
Other Names	Myosin-IIIb, MYO3B
Target/Specificity	This MYO3B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1086-1116 amino acids from the C-terminal region of human MYO3B.
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	MYO3B Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MYO3B
Function	Probable actin-based motor with a protein kinase activity. Required for normal cochlear hair bundle development and hearing. Plays an important role in the early steps of cochlear hair bundle morphogenesis. Influences the

	number and lengths of stereocilia to be produced and limits the growth of microvilli within the forming auditory hair bundles thereby contributing to the architecture of the hair bundle, including its staircase pattern. Involved in the elongation of actin in stereocilia tips by transporting the actin regulatory factor ESPN to the plus ends of actin filaments.
Cellular Location	Cytoplasm, cytoskeleton. Cell projection, stereocilium {ECO:0000250|UniProtKB:Q1EG27}
Tissue Location	Expressed in retina, kidney and testis.

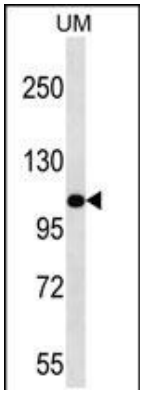
Background

MYO3B is probable actin-based motor with a protein kinase activity.

References

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Hillier, L.W., et al. Nature 434(7034):724-731(2005)
Dose, A.C., et al. Mol. Biol. Cell 14(3):1058-1073(2003)
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Images



MYO3B Antibody (C-term) (Cat. #AP12257b) western blot analysis in uterus tumor cell line lysates (35ug/lane).This demonstrates the MYO3B antibody detected the MYO3B protein (arrow).



MYO3B Antibody (C-term) (Cat. #AP12257b)immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of MYO3B Antibody (C-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'.