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Anti-MYO3B Antibody

Catalog # AP51797

Product Information

Application	WB
Primary Accession	Q8WXR4
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	151829

Additional Information

Gene ID	140469
Other Names	Myosin-IIIb
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human MYO3B. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
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

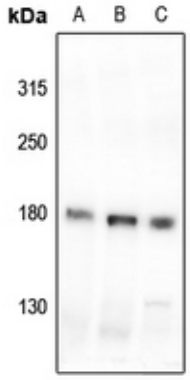
Protein Information

Name	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.

References

Dose A.C.,et al.Genomics 79:621-624(2002).
Hillier L.W.,et al.Nature 434:724-731(2005).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Greenman C.,et al.Nature 446:153-158(2007).

Images



Western blot analysis of MYO3B expression in BV2 (A), C6 (B), U87MG (C) whole cell lysates. (Predicted band size: 151 kD; Observed band size: 180 kD)

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