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MYO3B Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12257b

Specification

MYO3B Antibody (C-term) - Product Information

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

MYO3B Antibody (C-term) - 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~~1:10~50

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.

MYO3B Antibody (C-term) - 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}

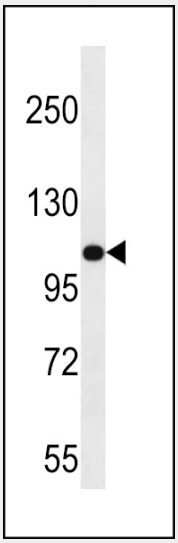
Tissue Location
Expressed in retina, kidney and testis.

MYO3B Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MYO3B Antibody (C-term) - 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).

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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.

MYO3B Antibody (C-term) - Background

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

MYO3B Antibody (C-term) - References

Ichikawa, S., et al. J. Bone Miner. Res. 25(8):1821-1829(2010)
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
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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