

MYO3B Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12257b**Specification**

MYO3B Antibody (C-term) Blocking peptide - Product Information

Primary Accession [Q8WXR4](#)

MYO3B Antibody (C-term) Blocking peptide - Additional Information

Gene ID 140469

Other Names
Myosin-IIIb, MYO3B

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MYO3B Antibody (C-term) Blocking peptide - 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) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

MYO3B Antibody (C-term) Blocking peptide - Images**MYO3B Antibody (C-term) Blocking peptide - Background**

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

MYO3B Antibody (C-term) Blocking peptide - 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)Dose, A.C., et al. Genomics 79(5):621-624(2002)