

**Mouse Myo3b Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13924a****Specification**

---

**Mouse Myo3b Antibody (N-term) Blocking peptide - Product Information**Primary Accession [Q1EG27](#)**Mouse Myo3b Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 329421**Other Names**

Myosin-IIIb, Myo3b

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13924a was selected from the N-term region of Mouse Myo3b. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**Mouse Myo3b Antibody (N-term) Blocking peptide - Protein Information****Name** Myo3b**Function**

Probable actin-based motor with a protein kinase activity (By similarity). 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 (PubMed:<a href="http://www.uniprot.org/citations/26754646" target="\_blank">26754646</a>). Involved in the elongation of actin in stereocilia tips by transporting the actin regulatory factor ESPN to the plus ends of actin filaments (PubMed:<a href="http://www.uniprot.org/citations/22264607" target="\_blank">22264607</a>).

**Cellular Location**

Cytoplasm, cytoskeleton. Cell projection, stereocilium

**Tissue Location**

Expressed in the cochlear hair cells (at protein level) (PubMed:26754646). Expressed in utricle hair bundles (at protein level) (PubMed:26926603).

**Mouse Myo3b Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**Mouse Myo3b Antibody (N-term) Blocking peptide - Images****Mouse Myo3b Antibody (N-term) Blocking peptide - Background**

Probable actin-based motor with a protein kinase activity (By similarity).

**Mouse Myo3b Antibody (N-term) Blocking peptide - References**

Katti, C., et al. Exp. Eye Res. 89(2):224-237(2009)