

MYO3B Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51797**Specification**

MYO3B Antibody - Product Information

Application	WB, E
Primary Accession	Q8WXR4
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	152 KDa

MYO3B Antibody - Additional Information**Gene ID** 140469**Other Names**
Myosin-IIIb, MYO3B**Dilution**
WB~~1:1000
E~~N/A**Format**
0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%**Storage**
Store at -20 °C.Stable for 12 months from date of receipt**MYO3B Antibody - 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 - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MYO3B Antibody - Images

MYO3B Antibody - Background

Probable actin-based motor with a protein kinase activity.

MYO3B Antibody - 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).