

# **MYO3A Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP57424

## **Specification**

# **MYO3A Polyclonal Antibody - Product Information**

Application IHC-P, IHC-F, IF, ICC
Primary Accession O8NEV4
Host Rabbit
Clonality Polyclonal
Calculated MW 186208

# MYO3A Polyclonal Antibody - Additional Information

**Gene ID 53904** 

**Other Names** 

Myosin-Illa, 2.7.11.1, MYO3A

**Format** 

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

# **Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## MYO3A Polyclonal Antibody - Protein Information

#### Name MYO3A

# **Function**

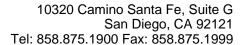
Probable actin-based motor with a protein kinase activity. Probably plays a role in vision and hearing (PubMed:<a href="http://www.uniprot.org/citations/12032315" target="\_blank">12032315</a>). Required for normal cochlear hair bundle development and hearing. Plays an important role in the early steps 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 (By similarity).

#### **Cellular Location**

Cytoplasm, cytoskeleton. Cytoplasm. Cell projection, filopodium tip. Cell projection, stereocilium {ECO:0000250|UniProtKB:Q8K3H5}. Note=Increased localization at the filodium tip seen in the presence of MORN4

### **Tissue Location**

Strongest expression in retina, retinal pigment epithelial cells, cochlea and pancreas





# **MYO3A Polyclonal Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

**MYO3A Polyclonal Antibody - Images**