

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	Q8NEV4
Host	Rabbit
Clonality	Polyclonal
Calculated MW	186208

MYO3A Polyclonal Antibody - Additional Information**Gene ID** 53904**Other Names**

Myosin-IIla, 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:12032315). 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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MYO3A Polyclonal Antibody - Images