

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-IIIa, 2.7.11.1, MYO3A

Format0.01M TBS(pH7.4) with 1% BSA, 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). 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](#)