

DNAXPAb

Hard-to-Find  
Antibody

# MYO3A DNAXPab

Catalog # H00053904-W01P      Size 200 ug

## Specification

|                                |                                                                                                                                                                                                                                                                      |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Rabbit polyclonal antibody raised against a full-length human MYO3A DNA using DNAX™ Immune technology.                                                                                                                                                               |
| <b>Technology</b>              | <a href="#">DNAX™ Immune</a>                                                                                                                                                                                                                                         |
| <b>Immunogen</b>               | Full-length human DNA                                                                                                                                                                                                                                                |
| <b>Sequence</b>                | MFPLIGKTIIFDNFPDPSDTWEITETIGKGTYGKVFVKVLNKKNGQKAAVKILDPIHDIDEEIEAGYNILK<br>ALSDHPNVVRFYGYFKKDKVNGDKLWLVLELCSSGGSVTDLVKGFLKRGERMSEPLIAYILHEALM<br>GLQHLHNNKTIHRDVKGNNILLTTEGGVKLVDFGVSAQLTSTRHRRNTSVGTPFWMAPEVIACEQ<br>QLDDTYDARCDTWSLGITAIELGDGDPPLADLHPMRALFKIPRSDD |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                               |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                                |
| <b>Purification</b>            | Protein A                                                                                                                                                                                                                                                            |
| <b>Quality Control Testing</b> | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                              |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                    |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                             |

## Applications

- Western Blot (Transfected lysate)  
[Protocol Download](#)
- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

## Gene Info — MYO3A

Entrez GeneID [53904](#)

GeneBank Accession# [BC045538.1](#)

Protein Accession# [AAH45538.1](#)

Gene Name MYO3A

Gene Alias DFNB30

Gene Description myosin IIIA

Omim ID [606808 607101](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

The protein encoded by this gene belongs to the myosin superfamily. Myosins are actin-dependent motor proteins and are categorized into conventional myosins (class II) and unconventional myosins (classes I and III through XV) based on their variable C-terminal cargo-binding domains. Class III myosins, such as this one, have a kinase domain N-terminal to the conserved N-terminal motor domains and are expressed in photoreceptors. The protein encoded by this gene plays an important role in hearing in humans. Three different recessive, loss of function mutations in the encoded protein have been shown to cause nonsyndromic progressive hearing loss. Expression of this gene is highly restricted, with the strongest expression in retina and cochlea. [provided by RefSeq]

Other Designations OTTHUMP00000019339

## Disease

- [Alzheimer Disease](#)
- [Anxiety Disorders](#)
- [Arthritis](#)
- [Colorectal Neoplasms](#)
- [Depressive Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)