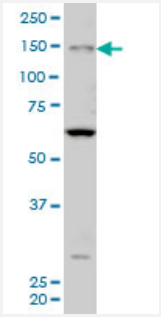
MYO3A monoclonal antibody (M08A), clone 8H2

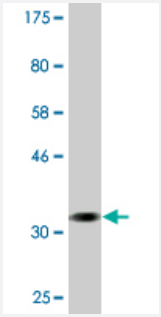
Catalog # H00053904-M08A Size 200 uL

Applications



Western Blot (Cell lysate)

MYO3A monoclonal antibody (M08A), clone 8H2 Western Blot analysis of MYO3A expression in Hela S3 NE (Cat # L013V3).



Western Blot detection against Immunogen (35.64 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant MYO3A.
Immunogen	MYO3A (NP_059129, 1400 a.a. ~ 1490 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	HEEINNIKKKDNKDSKATSEREACGLAIFSKQISKLSEEYFILQKKLNEMILSQQLKSLYLGVSHHKPINRRVSSQQCLSGVCKGEEPKIL
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (94)
Isotype	IgG2b
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.64 KDa) .
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

  MYO3A monoclonal antibody (M08A), clone 8H2 Western Blot analysis of MYO3A expression in Hela S3 NE (Cat # L013V3).

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — MYO3A

Entrez GeneID	53904
GeneBank Accession#	NM_017433
Protein Accession#	NP_059129
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