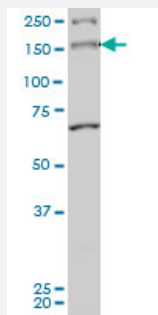


MYO3A monoclonal antibody (M01), clone 8D12

Catalog # H00053904-M01

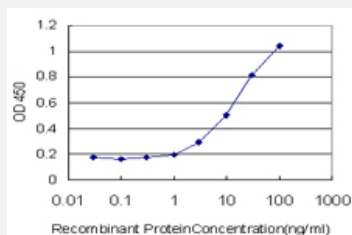
Size 50 ug

Applications



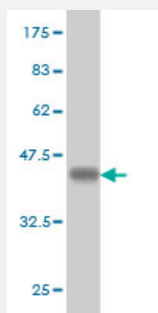
Western Blot (Cell lysate)

MYO3A monoclonal antibody (M01), clone 8D12 Western Blot analysis of MYO3A expression in HeLa S3 NE (Cat # L013V3).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MYO3A is approximately 1ng/ml as a capture antibody.



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	HEEINNIKKKDNKDSKATSEREACGLAIFSKQISKLSEEYFILQKKLNEMILSQQLKSLYLGVSHHKPINRRVSSQQCLSGVCKGEEPIL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.64 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

MYO3A monoclonal antibody (M01), clone 8D12 Western Blot analysis of MYO3A expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MYO3A is approximately 1ng/ml as a capture antibody.

[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	<p>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]</p>
Other Designations	OTTHUMP00000019339

Disease

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