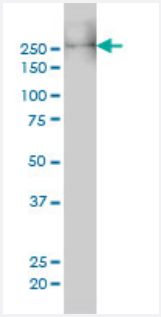
MYH9 monoclonal antibody (M01A), clone 3C7

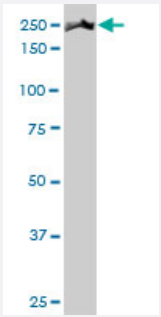
Catalog # H00004627-M01A Size 200 uL

Applications



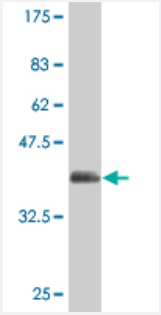
Western Blot (Cell lysate)

MYH9 monoclonal antibody (M01A), clone 3C7 Western Blot analysis of MYH9 expression in A-431 (Cat # L015V1).



Western Blot (Cell lysate)

MYH9 monoclonal antibody (M01A), clone 3C7. Western Blot analysis of MYH9 expression in NIH/3T3 (Cat # L018V1).



Western Blot detection against Immunogen (35.64 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant MYH9.

Immunogen	MYH9 (NP_002464.1, 1871 a.a. ~ 1960 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	RLKQLKRQLEEAEEEAQRANASRRKLQRELEDATETADAMNREVSSLKNKLRRGDLPFVVPRRMARKGAGDGSDEEVDGKADGAEAKPAE
Host	Mouse
Reactivity	Human, Mouse
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 ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

  MYH9 monoclonal antibody (M01A), clone 3C7 Western Blot analysis of MYH9 expression in A-431 (Cat # L015V1).

  Protocol Download

- Western Blot (Cell lysate)

  MYH9 monoclonal antibody (M01A), clone 3C7. Western Blot analysis of MYH9 expression in NIH/3T3 (Cat # L018V1).

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — MYH9

Entrez GeneID	4627

GeneBank Accession#	NM_002473.5
Protein Accession#	NP_002464.1
Gene Name	MYH9
Gene Alias	DFNA17, EPSTS, FTNS, MGC104539, MHA, NMHC-II-A, NMMHCA
Gene Description	myosin, heavy chain 9, non-muscle
Omim ID	153640 153650 155100 160775 600208 603622 605249
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a myosin IIA heavy chain that contains an IQ domain and a myosin head-like d omain. The protein is involved in several important functions, including cytokinesis, cell motility an d maintenance of cell shape. Defects in MYH9 are the cause of non-syndromic sensorineural deaf ness autosomal dominant type 17, Epstein syndrome, Alport syndrome with macrothrombocytope nia, Sebastian syndrome, Fechtner syndrome and macrothrombocytopenia with progressive sens orineural deafness. [provided by RefSeq
Other Designations	MYH9 variant protein|OTTHUMP00000028706|cellular myosin heavy chain, type A|myosin, heavy polypeptide 9, non-muscle|non-muscle myosin heavy chain|non-muscle myosin heavy polypeptide 9|nonmuscle myosin heavy chain II-A

Pathway

- Regulation of actin cytoskeleton
- Tight junction

Disease

- Albuminuria
- Attention
- Bernard-Soulier Syndrome
- Blood Platelet Disorders
- Cardiovascular Diseases
- Cerebral Hemorrhage
- Chronic Disease

- Cleft Lip
- Cleft Palate
- Deafness
- Diabetes Mellitus
- Endocrine System Diseases
- Genetic Predisposition to Disease
- Glomerulonephritis
- Glomerulosclerosis
- Hypertension
- Intracranial Hemorrhages
- Kidney Diseases
- Kidney Failure
- Lupus Nephritis
- Neuropsychological Tests
- Problem Solving
- Schizophrenia
- Stroke
- Subarachnoid Hemorrhage
- Thalassemia
- Thrombocytopenia
- Urologic Diseases
- von Willebrand Disease