

Rabbit MYH9 Polyclonal Antibody | anti-MYH9 antibody

MYH9 Antibody (N-term Y158)

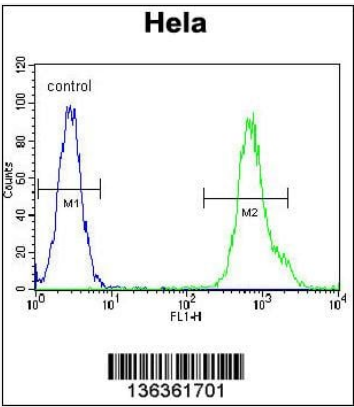
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290670	Rabbit	Human, Mouse; Predicted Reactivity: Chicken, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

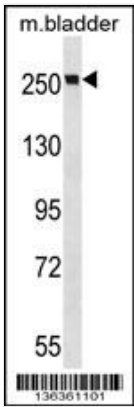
MYH9; Polyclonal Antibody; MYH9 Antibody (N-term Y158); Myosin-9; Cellular myosin heavy chain; type A; Myosin heavy chain 9; Myosin heavy chain; non-muscle IIa; Non-muscle myosin heavy chain A; NMMHC-A; Non-muscle myosin heavy chain IIa; NMMHC II-a; NMMHC-IIA; anti-MYH9 antibody

PRODUCT SPECIFICATIONS

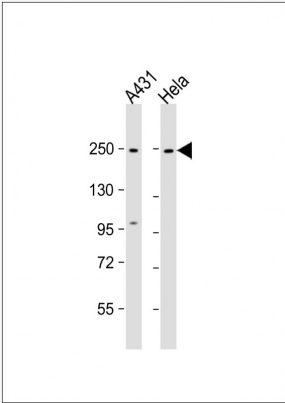
Host	Rabbit
Reactivity	Human, Mouse; Predicted Reactivity: Chicken, Rat
Clonality	Polyclonal
Isotype	Ig
Specificity	This MYH9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 134-165 amino acids from the N-terminal region of human MYH9.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Length	1960
Applicable Applications for anti-MYH9 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Subtitle	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Cellular Location	Cytoplasm, cytoskeleton. Cytoplasm, cell cortex. Note=Colocalizes with actin filaments at lamellipodia margins and at the leading edge of migrating cells.
Tissue Location	In the kidney, expressed in the glomeruli. Also expressed in leukocytes.
Antigen Region	134-165 aa
Antigen Type	Synthetic Peptide
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
MYH9 Antibody (N-term Y158) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
MYH9 Antibody (N-term Y158) western blot analysis in mouse bladder tissue lysates (35ug/lane).This demonstrates the MYH9 antibody detected the MYH9 protein (arrow).



WB (Western Blot)
All lanes : Anti-MYH9 Antibody (N-term Y158) at 1:1000 dilutionLane 1: A431 whole cell lysateLane 2: Hela whole cell lysateLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 227 kDaBlocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-MYH9 antibody	Description: This gene encodes a myosin IIA heavy chain that contains an IQ domain and a myosin head-like domain. The protein is involved in several important functions, including cytokinesis, cell motility and maintenance of cell shape. Defects in MYH9 are the cause of non-syndromic sensorineural deafness autosomal dominant type 17, Epstein syndrome, Alport syndrome with macrothrombocytopenia, Sebastian syndrome, Fechtner syndrome and macrothrombocytopenia with progressive sensorineural deafness. Background: Cellular myosin that appears to play a role in cytokinesis, cell shape, and specialized functions such as secretion and capping. During cell spreading, plays an important role in cytoskeleton reorganization, focal contacts formation (in the margins but not the central part of spreading cells), and lamellipodial retraction; this function is mechanically antagonized by MYH10.
Product Categories/Family for anti-MYH9 antibody	Primary Antibodies; Signal Transduction
References	Arii, J., et al. Nature 467 (7317):859-862 (2010). Genovese, G., et al. Kidney Int. 78 (7):698-704 (2010). Tzur, S., et al. Hum. Genet. 128 (3):345-350 (2010). Bostrom, M.A., et al. Hum. Genet. 128 (2):195-204 (2010). Oleksyk, T.K., et al. PLoS ONE 5 (7), E11474 (2010).

NCBI AND UNIPROT INFORMATION

NCBI GI #	12667788
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NCBI GeneID	4627
NCBI Accession #	NP_002464.1
NCBI GenBank Nucleotide #	NM_002473.5
UniProt Accession #	P35579 ; O60805 ; Q60FE2 ; Q86T83 ; A8K6E4
Molecular Weight	226532 Da
NCBI Official Full Name	myosin-9
NCBI Official Synonym Full Names	myosin, heavy chain 9, non-muscle
NCBI Official Symbol	MYH9
NCBI Official Synonym Symbols	MHA; FTNS; EPSTS; BDPLT6; DFNA17; NMMHCA; NMHC-II-A; NMMHC-IIA
NCBI Protein Information	myosin-9
UniProt Protein Name	Myosin-9
UniProt Gene Name	MYH9
UniProt Synonym Gene Names	NMMHC-A; NMMHC II-a; NMMHC-IIA
UniProt Entry Name	MYH9_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/myh9-antibody-flow-cytometry-western-blot-elisa/290670>