

Rabbit MYH9 Polyclonal Antibody | anti-MYH9 antibody

MYH9 Polyclonal Antibody

CATALOG # AAA36759	HOST Rabbit	APPLICATIONS Immunoprecipitation, Immunohistochemistry, Western Blot
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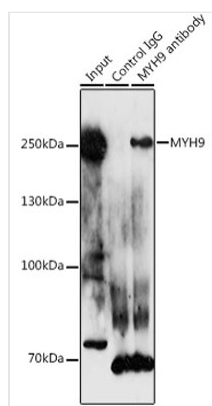
PRODUCT SYNONYMS

MYH9; Polyclonal Antibody; MYH9 Polyclonal Antibody; Myosin IIA: MYH9; DFNA17; EPST5; FTNS; MGC104539; MHA; NMHC-II-A; NMMHCA; Myosin IIA; anti-MYH9 antibody

PRODUCT SPECIFICATIONS

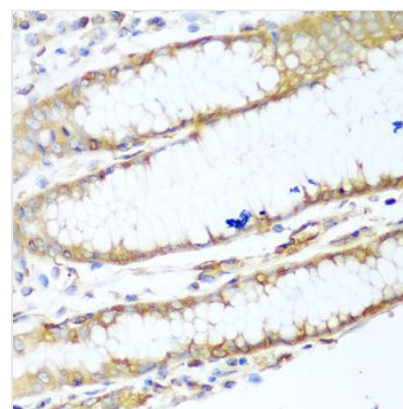
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence Length	1960
Applicable Applications for anti-MYH9 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Species Reactivity/Cross-Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1711-1960 of human MYH9 (NP-002464.1)
Category	Primary antibody
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



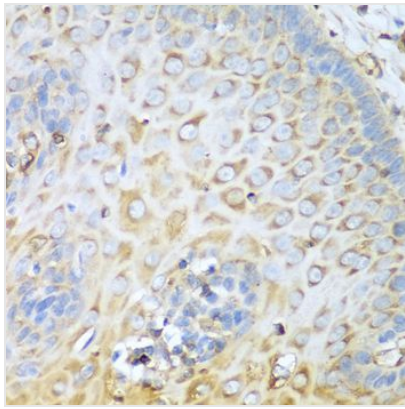
IP (Immunoprecipitation)

Immunoprecipitation analysis of 300ug extracts of HeLa cells using 3ug MYH9 antibody. Western blot was performed from the immunoprecipitate using MYH9 antibody at a dilution of 1:1000.



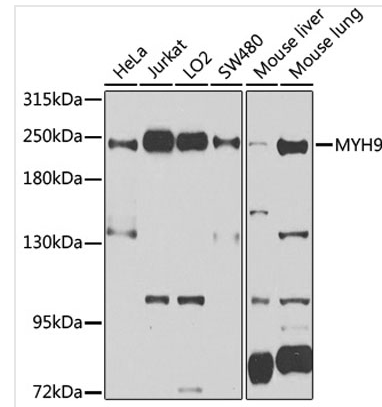
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human stomach using MYH9 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human esophagus using MYH9 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using MYH9 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 15s.

ADDITIONAL INFORMATION

Related Product Information for anti-MYH9 antibody	Nonmuscle myosin is an actin-based motor protein essential to cell motility, cell division, migration, adhesion, and polarity. The holoenzyme consists of two identical heavy chains and two sets of light chains. The light chains (MLCs) regulate myosin II activity and stability. The heavy chains (NMHCs) are encoded by three genes, MYH9, MYH10, and MYH14, which generate three different nonmuscle myosin II isoforms, IIa, IIb, and IIc, respectively (reviewed in 1). While all three isoforms perform the same enzymatic tasks, binding to and contracting actin filaments coupled to ATP hydrolysis, their cellular functions do not appear to be redundant and they have different subcellular distributions (2-5). The carboxy-terminal tail domain of myosin II is important in isoform-specific subcellular localization (6). Phosphorylation of myosin IIa at Ser1943 contributes to the regulation of breast cancer cell migration (7).
Product Categories/Family for anti-MYH9 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	6166599
NCBI GeneID	4627
UniProt Accession #	P35579 ; O60805 ; Q60FE2 ; Q86T83 ; A8K6E4
Molecular Weight	Observed MW: 250kDa Calculated MW: 159kDa/226kDa
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; non-muscle myosin heavy chain A; non-muscle myosin heavy chain IIa; nonmuscle myosin heavy chain II-A; cellular myosin heavy chain, type A; non-muscle myosin heavy polypeptide 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://stage.aaabiotech.com/polyclonal/myh9-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/36759>