

## MYH9 polyclonal antibody

Catalog: BS60434

Host: Rabbit

Reactivity: Human,Rat

### BackGround:

Actin is a highly conserved protein that is expressed in all eukaryotic cells. Actin filaments can form both stable and labile structures and are crucial components of microvilli and the contractile apparatus of muscle cells. Myosin is a hexamer of 2 heavy chains (MHC) and 4 light chains (MLC) that interacts with actin to generate the force for diverse cellular movements, including cytokinesis, phagocytosis and muscle contraction. Myosin heavy chain 9 can also be designated Myosin IIa, nonmuscle myosin heavy chain IIa, Cellular myosin heavy chain, type A, myosin-9 or NMMHC-IIA. Myosin heavy chain 9 is involved in cell shape, cytokinesis, and specialized functions such as capping and secretion. It is expressed in leukocytes and in kidney glomeruli. Defects in the MYH9 gene, which encodes myosin heavy chain 9, are linked to Sebastian syndrome (SBS), Fechtner syndrome (FTNS), Alport syndrome with macrothrombocytopenia (APSM), autosomal dominant nonsyndromic sensorineural deafness 17 (DFNA17) and Epstein syndrome (EPS).

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 230 kDa

### Swiss-Prot:

P35579

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

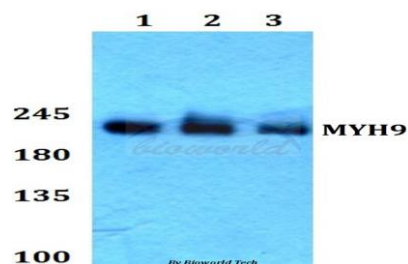
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

MYH9 polyclonal antibody detects endogenous levels of MYH9 protein.

### DATA:



Western blot (WB) analysis of MYH9 polyclonal antibody at 1:500 dilution

Lane1:A549 whole cell lysate

Lane2:Rat testis tissue lysate

Lane3:PC12 whole cell lysate

### Note:

For research use only, not for use in diagnostic procedure.

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