

# MYH9 Rabbit pAb

Catalog No.: A0173

## Basic Information

### Catalog No.

A0173

### Observed MW

250kDa

### Calculated MW

159kDa/226kDa

### Category

Primary antibody

### Applications

WB, IHC, IP

### Cross-Reactivity

Human, Mouse, Rat

## Recommended Dilutions

<b>WB</b>	1:1000 - 1:2000
<b>IHC</b>	1:50 - 1:100
<b>IP</b>	1:50 - 1:200

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Background

This gene encodes a conventional non-muscle myosin; this protein should not be confused with the unconventional myosin-9a or 9b (MYO9A or MYO9B). The encoded protein is a myosin IIA heavy chain that contains an IQ domain and a myosin head-like domain which is involved in several important functions, including cytokinesis, cell motility and maintenance of cell shape. Defects in this gene have been associated with non-syndromic sensorineural deafness autosomal dominant type 17, Epstein syndrome, Alport syndrome with macrothrombocytopenia, Sebastian syndrome, Fechtner syndrome and macrothrombocytopenia with progressive sensorineural deafness.

## Immunogen Information

<b>Gene ID</b>	<b>Swiss Prot</b>
4627	P35579

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1711-1960 of human MYH9 (NP\_002464.1).

### Synonyms

MYH9;BDPLT6;DFNA17;EPSTS;FTNS;MHA;NMHC-II-A;NMMHC-IIA;NMMHCA;myosin-9

## Product Information

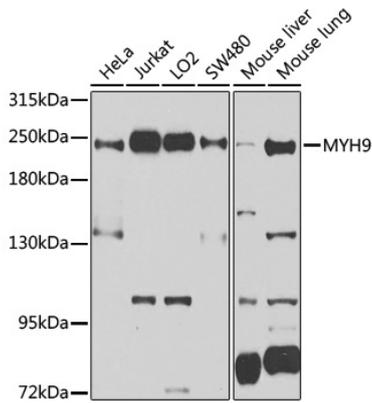
<b>Source</b>	<b>Isotype</b>	<b>Purification</b>
Rabbit	IgG	Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

## Validation Data



Western blot analysis of extracts of various cell lines, using MYH9 antibody (A0173) at 1:1000 dilution.

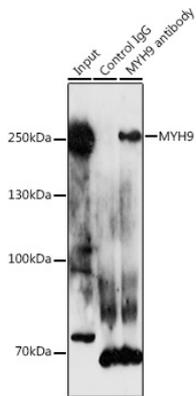
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

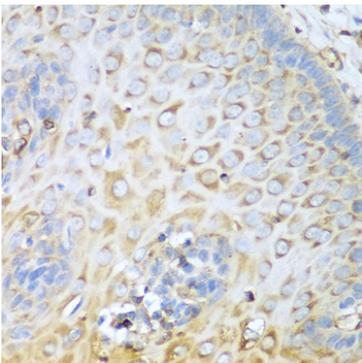
Detection: ECL Basic Kit (RM00020).

Exposure time: 15s.

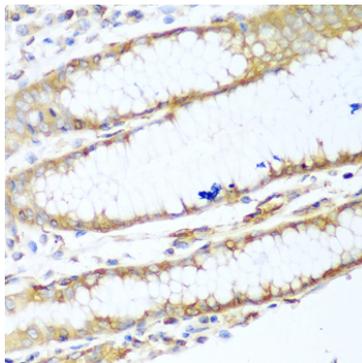


Immunoprecipitation analysis of 300ug extracts of HeLa cells using 3ug MYH9 antibody (A0173).

Western blot was performed from the immunoprecipitate using MYH9 antibody (A0173) at a dilution of 1:1000.



Immunohistochemistry of paraffin-embedded human esophagus using MYH9 antibody (A0173) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human stomach using MYH9 antibody (A0173) at dilution of 1:100 (40x lens).