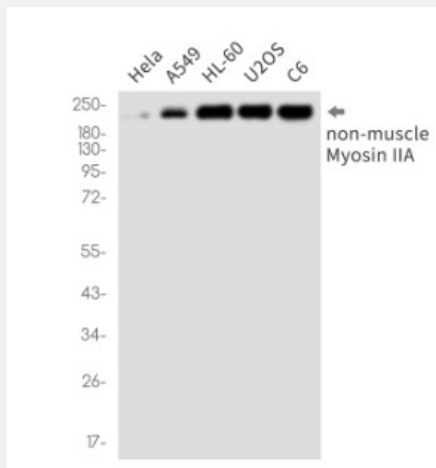


RecomAb™

# MYH9 recombinant monoclonal antibody, clone R08-2C2

Catalog # RAB01401      Size 100 uL

## Applications



### Western Blot

Western Blot analysis of HeLa, A549, HL-60, U2OS, C6 lysates with MYH9 recombinant monoclonal antibody, clone R08-2C2 (Cat # RAB01401).

### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lung cancer with MYH9 recombinant monoclonal antibody, clone R08-2C2 (Cat # RAB01401).

## Specification

|                             |                                                                                      |
|-----------------------------|--------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Rabbit recombinant monoclonal antibody raised against human MYH9.                    |
| <b>Antibody Species</b>     | Rabbit                                                                               |
| <b>Immunogen</b>            | Original antibody is raised against recombinant protein corresponding to human MYH9. |
| <b>Theoretical MW (kDa)</b> | Calculated MW: 227 k                                                                 |

|                     |                                                                                                                                                                                   |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity          | Human                                                                                                                                                                             |
| Form                | Liquid                                                                                                                                                                            |
| Purification        | Affinity purification                                                                                                                                                             |
| Isotype             | IgG                                                                                                                                                                               |
| Recommend Usage     | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)<br>Immunoprecipitation<br>Western Blot<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In 50mM Tris-Glycine, pH 7.4, (0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)                                                                                        |
| Storage Instruction | Store at 4°C. For longer storage, aliquot and store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                                                  |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                            |

## Applications

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- Immunoprecipitation

## Gene Info — MYH9

|                    |                                                       |
|--------------------|-------------------------------------------------------|
| Entrez GeneID      | <a href="#">4627</a>                                  |
| Protein Accession# | <a href="#">P35579</a>                                |
| Gene Name          | MYH9                                                  |
| Gene Alias         | DFNA17, EPSTS, FTNS, MGC104539, MHA, NMHC-IIA, 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 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. [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](#)