

**Myosin IIa (Phospho Ser1943) rabbit pAb**

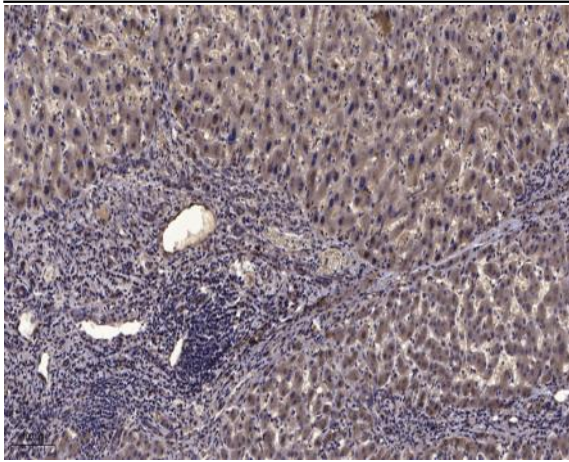
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| <b>Catalog No :</b>          | YP1408   |
| <b>Reactivity :</b>          | Human;Rat;Mouse;   |
| <b>Applications :</b>        | WB;IHC   |
| <b>Target :</b>              | Myosin IIa   |
| <b>Fields :</b>              | >>Vascular smooth muscle contraction;>>Tight junction;>>Regulation of actin cytoskeleton;>>Pathogenic Escherichia coli infection |
| <b>Gene Name :</b>           | MYH9   |
| <b>Protein Name :</b>        | Myosin IIa (Ser1943)   |
| <b>Human Gene Id :</b>       | 4627   |
| <b>Human Swiss Prot No :</b> | P35579   |
| <b>Mouse Gene Id :</b>       | 17886  |
| <b>Mouse Swiss Prot No :</b> | Q8VDD5   |
| <b>Rat Gene Id :</b>         | 25745  |
| <b>Rat Swiss Prot No :</b>   | Q62812   |
| <b>Immunogen :</b>           | Synthesized phospho peptide around human Myosin IIa (Ser1943)  |
| <b>Specificity :</b>         | This antibody detects endogenous levels of Human Myosin IIa (phospho-Ser1943)  |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Source :</b>              | Polyclonal, Rabbit,IgG   |
| <b>Dilution :</b>            | WB 1:500-2000;IHC 1:50-300   |

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| <b>Purification :</b>         | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.  |
| <b>Concentration :</b>        | 1 mg/ml  |
| <b>Storage Stability :</b>    | -15°C to -25°C/1 year(Do not lower than -25°C)   |
| <b>Observed Band :</b>        | 215kD  |
| <b>Cell Pathway :</b>         | Tight junction;Regulates Actin and Cytoskeleton;Viral myocarditis;   |
| <b>Background :</b>           | 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. [provided by RefSeq, Dec 2011],  |
| <b>Function :</b>             | disease:Defects in MYH9 are the cause of Alport syndrome with macrothrombocytopenia (APSM) [MIM:153650]. APSM is an autosomal dominant disorder characterized by the association of ocular lesions, sensorineural hearing loss and nephritis (Alport syndrome) with platelet defects.,disease:Defects in MYH9 are the cause of Epstein syndrome (EPS) [MIM:153650]. EPS is an autosomal dominant disorder characterized by the association of macrothrombocytopenia, sensorineural hearing loss and nephritis.,disease:Defects in MYH9 are the cause of Fechtner syndrome (FTNS) [MIM:153640]. FTNS is an autosomal dominant macrothrombocytopenia characterized by thrombocytopenia, giant platelets and leukocyte inclusions that are small and poorly organized. Additionally, FTNS is distinguished by Alport-like clinical features of sensorineural deafness, cataracts and nephritis.,disease:Defects in MYH9 are the cause o |
| <b>Subcellular Location :</b> | Cytoplasm, cytoskeleton . Cytoplasm, cell cortex . Cytoplasmic vesicle, secretory vesicle, Cortical granule . Colocalizes with actin filaments at lamellipodia margins and at the leading edge of migrating cells (PubMed:20052411). In retinal pigment epithelial cells, predominantly localized to stress fiber-like structures with some localization to cytoplasmic puncta (PubMed:27331610). .  |
| <b>Expression :</b>           | In the kidney, expressed in the glomeruli. Also expressed in leukocytes.   |

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## Products Images



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).