

## Mouse MRI1 Monoclonal Antibody | anti-MRI1 antibody

MRI1 antibody

|                               |                      |                                                                                                                 |
|-------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA106599</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay</b> |
|-------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------|

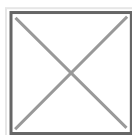
### PRODUCT SYNONYMS

MRI1; Monoclonal Antibody; MRI1 antibody; Monoclonal MRI1; Anti-MRI1; Methylthioribose-1-phosphate isomerase homolog; MGC3207; MTNA; Ypr118w; Mediator of RhoA-dependent invasion; MTR 1 P isomerase; MRI 1; MRI-1; anti-MRI1 antibody

### PRODUCT SPECIFICATIONS

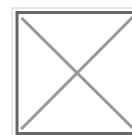
|                                                |                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                                                                                                                                                        |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                                                                   |
| Isotype                                        | IgG2b                                                                                                                                                                                                                                                                                                        |
| Clone Number                                   | 9H7                                                                                                                                                                                                                                                                                                          |
| Purity/Purification                            | MRI1 antibody was purified by affinity chromatography.                                                                                                                                                                                                                                                       |
| Form/Format                                    | Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.                                                                                                                                                                                                                      |
| Concentration                                  | 500 ug-1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                               |
| Sequence Length                                | 322                                                                                                                                                                                                                                                                                                          |
| Applicable Applications for anti-MRI1 antibody | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)                                                                                                                                                                                                            |
| Biological Significance                        | MRI1 catalyzes the interconversion of methylthioribose-1-phosphate (MTR-1-P) into methylthioribulose-1-phosphate(MTRu-1-P). Independently from catalytic activity, it promotes cell invasion in response to constitutive RhoA activation by promoting FAK tyrosine phosphorylation and stress fiber turnover |
| Cross-Reactivity                               | Human                                                                                                                                                                                                                                                                                                        |
| Immunogen                                      | MRI1 antibody was raised in mouse using a full length recombinant protein of human MRI1 (NP_115661) produced in HEK293T cells, as the immunogen.                                                                                                                                                             |
| Preparation and Storage                        | Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.                                                                                                                                                                      |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant MRI1 protein using MRI1 antibody



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of MRI1 protein in paraffin embedded Carcinoma of Human kidney tissue using MRI1 antibody



#### WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant MRI1 protein (Right) or empty vector (Left) detected with MRI1 antibody

### ADDITIONAL INFORMATION

|                                                    |                                                                                    |
|----------------------------------------------------|------------------------------------------------------------------------------------|
| Related Product Information for anti-MRI1 antibody | Mouse monoclonal MRI1 antibody                                                     |
| Product Categories/Family for anti-MRI1 antibody   | <a href="#">Proteases</a> ; <a href="#">Inhibitors</a> ; & <a href="#">Enzymes</a> |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| NCBI GI #                        | <a href="#">23943880</a>                         |
| NCBI GeneID                      | <a href="#">84245</a>                            |
| NCBI Accession #                 | <a href="#">NP_115661</a>                        |
| NCBI GenBank Nucleotide #        | <a href="#">NM_032285.2</a>                      |
| UniProt Accession #              | <a href="#">Q9BV20</a> ; <a href="#">Q8NDC9</a>  |
| Molecular Weight                 | 34,529 Da                                        |
| NCBI Official Full Name          | methylthioribose-1-phosphate isomerase isoform 2 |
| NCBI Official Synonym Full Names | methylthioribose-1-phosphate isomerase 1         |
| NCBI Official Symbol             | MRI1                                             |
| NCBI Official Synonym Symbols    | MRDI; MTNA; Ypr118w                              |
| NCBI Protein Information         | methylthioribose-1-phosphate isomerase           |
| UniProt Protein Name             | Methylthioribose-1-phosphate isomerase           |
| UniProt Gene Name                | <b>MRI1</b>                                      |
| UniProt Synonym Gene Names       | M1Pi; MTR-1-P isomerase                          |
| UniProt Entry Name               | MTNA_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/monoclonal/mri1-antibody-clone-9h7-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/106599>