

## Rabbit CD9 Polyclonal Antibody | anti-CD9 antibody

Anti-CD9 Antibody

| CATALOG # | HOST   | REACTIVITY                | APPLICATIONS                                                                |
|-----------|--------|---------------------------|-----------------------------------------------------------------------------|
| AAA259546 | Rabbit | Human, Mouse, Rat, Monkey | Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

CD9; Polyclonal Antibody; Anti-CD9 Antibody; MIC3; TSPAN29; CD9 antigen; 5H9 antigen; Cell growth-inhibiting gene 2 protein; Leukocyte antigen MIC3; Motility-related protein; MRP-1; Tetraspanin-29; Tspan-29; p24; anti-CD9 antibody

### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                    |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                             |
| Reactivity                                    | Human, Mouse, Rat, Monkey                                                                                                          |
| Clonality                                     | Polyclonal                                                                                                                         |
| Specificity                                   | Recognizes endogenous levels of CD9 protein.                                                                                       |
| Purity/Purification                           | The antibody was purified by immunogen affinity chromatography.                                                                    |
| Form/Format                                   | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                          |
| Sequence Length                               | 228                                                                                                                                |
| Applicable Applications for anti-CD9 antibody | ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                  |
| Immunogen                                     | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD9. The exact sequence is proprietary. |
| Preparation and Storage                       | Upon receipt aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.                                                    |

### IMAGES



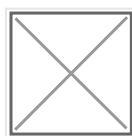
#### IF (Immunofluorescence)

Immunofluorescent analysis of CD9 staining in HEK293T cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of CD9 staining in human prostate cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



#### WB (Western Blot)

Western blot analysis of CD9 expression in HEK293T (A), NIH3T3 (B), rat heart (C) whole cell lysates. (Predicted band size: 25 kD; Observed band size: 24 kD)

ADDITIONAL INFORMATION

|                                                   |                                   |
|---------------------------------------------------|-----------------------------------|
| Related Product Information for anti-CD9 antibody | Rabbit polyclonal antibody to CD9 |
|---------------------------------------------------|-----------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| NCBI GI #                        | 4502693                                         |
| NCBI GeneID                      | 928                                             |
| NCBI Accession #                 | NP_001760.1                                     |
| NCBI GenBank Nucleotide #        | NM_001769.3                                     |
| UniProt Accession #              | P21926; Q5J7W6; Q96ES4; D3DUQ9                  |
| NCBI Official Full Name          | CD9 antigen                                     |
| NCBI Official Synonym Full Names | CD9 molecule                                    |
| NCBI Official Symbol             | CD9                                             |
| NCBI Official Synonym Symbols    | MIC3; MRP-1; BTCC-1; DRAP-27; TSPAN29; TSPAN-29 |
| NCBI Protein Information         | CD9 antigen                                     |
| UniProt Protein Name             | CD9 antigen                                     |
| UniProt Gene Name                | CD9                                             |
| UniProt Synonym Gene Names       | MIC3; TSPAN29; MRP-1; Tspan-29                  |
| UniProt Entry Name               | CD9_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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