

## Rabbit anti-Human EG5 Polyclonal Antibody | anti-EG5 antibody

Rabbit anti-EG5 (pT926) Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                           |
|-----------|--------|------------|--------------------------------------------------------|
| AAA220465 | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

EG5; Polyclonal Antibody; Rabbit anti-EG5 (pT926) Antibody; KNSL1; TRIP5; Kinesin-like protein KIF11; Kinesin-like protein 1; Kinesin-like spindle protein HKSP; Kinesin-related motor protein Eg5; Thyroid receptor-interacting protein 5; TR-interacting protein 5; TRIP-5; anti-EG5 antibody

### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                            |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                     |
| Reactivity                                    | Human                                                                                                                                      |
| Clonality                                     | Polyclonal                                                                                                                                 |
| 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.                                  |
| Concentration                                 | 1mg/mL (varies by lot)                                                                                                                     |
| Applicable Applications for anti-EG5 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                     |
| Immunogen                                     | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human EG5 (pT926). The exact sequence is proprietary. |
| Preparation and Storage                       | Store at -20 degree C. Avoid repeated freeze/thaw cycles.                                                                                  |

### IMAGES



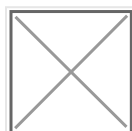
#### IF (Immunofluorescence)

Immunofluorescent analysis of EG5 (pT926) staining in HepG2 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 EG5 (pT926) staining in human lung 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 EG5 (pT926) expression in Jurkat (A), HEK293T (B) whole cell lysates.

ADDITIONAL INFORMATION

|                                                 |                    |
|-------------------------------------------------|--------------------|
| Product Categories/Family for anti-EG5 antibody | Primary antibodies |
|-------------------------------------------------|--------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 13699824                                                                                                                                                                                           |
| NCBI GeneID                      | 3832                                                                                                                                                                                               |
| NCBI Accession #                 | NP_004514.2                                                                                                                                                                                        |
| NCBI GenBank Nucleotide #        | NM_004523.3                                                                                                                                                                                        |
| UniProt Accession #              | P52732; Q15716; Q5VWX0; A0AV49; B2RMV3                                                                                                                                                             |
| Molecular Weight                 | 119,159 Da                                                                                                                                                                                         |
| NCBI Official Full Name          | kinesin-like protein KIF11                                                                                                                                                                         |
| NCBI Official Synonym Full Names | kinesin family member 11                                                                                                                                                                           |
| NCBI Official Symbol             | KIF11                                                                                                                                                                                              |
| NCBI Official Synonym Symbols    | EG5; HKSP; KNSL1; MCLMR; TRIP5                                                                                                                                                                     |
| NCBI Protein Information         | kinesin-like protein KIF11; TRIP-5; kinesin-like protein 1; TR-interacting protein 5; kinesin-like spindle protein HKSP; kinesin-related motor protein Eg5; thyroid receptor-interacting protein 5 |
| UniProt Protein Name             | Kinesin-like protein KIF11                                                                                                                                                                         |
| UniProt Gene Name                | <b>KIF11</b>                                                                                                                                                                                       |
| UniProt Synonym Gene Names       | EG5; KNSL1; TRIP5; TR-interacting protein 5; TRIP-5                                                                                                                                                |
| UniProt Entry Name               | KIF11_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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