

**Product Name: Eg5 (4H3) Mouse Monoclonal Antibody****Catalog #: AMM03415**

For research use only.

**Summary**

|                      |                                                                                                |
|----------------------|------------------------------------------------------------------------------------------------|
| <b>Description</b>   | Mouse monoclonal Antibody                                                                      |
| <b>Host</b>          | Mouse                                                                                          |
| <b>Application</b>   | WB,ICC/IF,IP                                                                                   |
| <b>Reactivity</b>    | Human                                                                                          |
| <b>Conjugation</b>   | Unconjugated                                                                                   |
| <b>Modification</b>  | Unmodified                                                                                     |
| <b>Isotype</b>       | IgG1                                                                                           |
| <b>Clonality</b>     | Monoclonal                                                                                     |
| <b>Form</b>          | Liquid                                                                                         |
| <b>Concentration</b> | 1mg/ml                                                                                         |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.                    |
| <b>Shipping</b>      | Ice bags                                                                                       |
| <b>Buffer</b>        | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3. |
| <b>Purification</b>  | Affinity Purification                                                                          |

**Application**

|                         |                                                |
|-------------------------|------------------------------------------------|
| <b>Dilution Ratio</b>   | WB 1:500-1:1000,ICC/IF 1:50-1:200,IP 1:20-1:50 |
| <b>Molecular Weight</b> | Calculated MW: 119 kDa; Observed MW: 130 kDa   |

**Antigen Information**

|                          |                                                                                                                                                                                                                              |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | KIF11                                                                                                                                                                                                                        |
| <b>Alternative Names</b> | KIF11; EG5; 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 |
| <b>Gene ID</b>           | 3832                                                                                                                                                                                                                         |
| <b>SwissProt ID</b>      | P52732                                                                                                                                                                                                                       |
| <b>Immunogen</b>         | Recombinant protein of human Eg5                                                                                                                                                                                             |

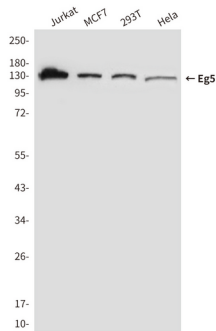
**Background**

Motor protein required for establishing a bipolar spindle. Blocking of KIF11 prevents centrosome migration and arrest cells in mitosis with monoastal microtubule arrays.

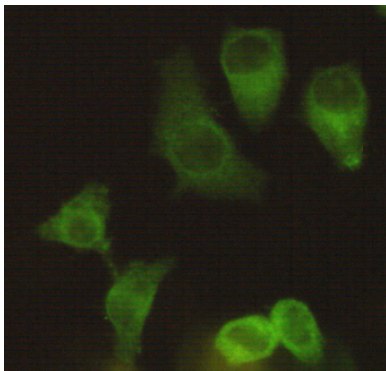
## Research Area

Signal Transduction

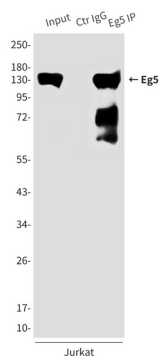
## Image Data



Western blot analysis of Eg5 in MCF-7, 293T, Jurkat and HeLa lysates using Eg5 antibody.



Immunocytochemistry analysis of Eg5 (4H3) in HeLa using Eg5 antibody.



Immunoprecipitation analysis of Eg5 (4H3) in Jurkat lysates using Eg5 antibody.