

Eg5 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP53275**Specification**

Eg5 Antibody - Product Information

Application	WB, ICC, IP
Primary Accession	P52732
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	130 KDa

Eg5 Antibody - Additional Information**Gene ID** 3832**Other Names**

EG5;HKSP;KIF11;KIF11_HUMAN;kinesin family member 11;Kinesin like protein 1;Kinesin like spindle protein HKSP;Kinesin-like protein 1;Kinesin-like protein KIF11;Kinesin-like spindle protein HKSP;Kinesin-related motor protein Eg5;KNSL1;MCLMR;Thyroid receptor interacting protein 5;Thyroid receptor-interacting protein 5;TR-interacting protein 5; TRIP-5;TRIP5.

Dilution

WB~~1:1000

ICC~~1:200

IP~~1:500

Format

Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.09% (W/V) sodium azide and 50% glycerol.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Eg5 Antibody - Protein Information**Name** KIF11**Synonyms** EG5, KNSL1, TRIP5**Function**

Motor protein required for establishing a bipolar spindle and thus contributing to chromosome congression during mitosis (PubMed:19001501, PubMed:37728657). Required in non-mitotic cells for transport of secretory proteins from the Golgi complex to the cell surface (PubMed:23857769).

Cellular Location

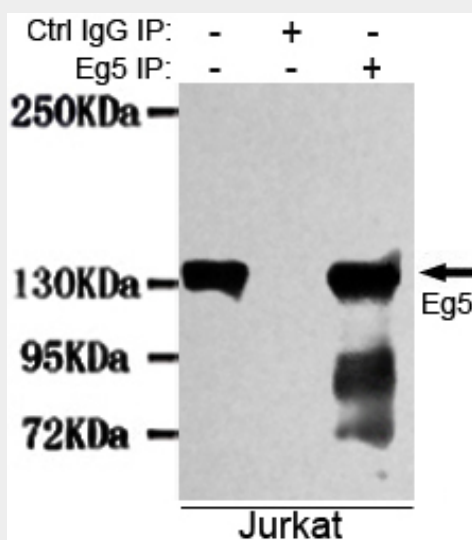
Cytoplasm. Cytoplasm, cytoskeleton, spindle pole

Eg5 Antibody - Protocols

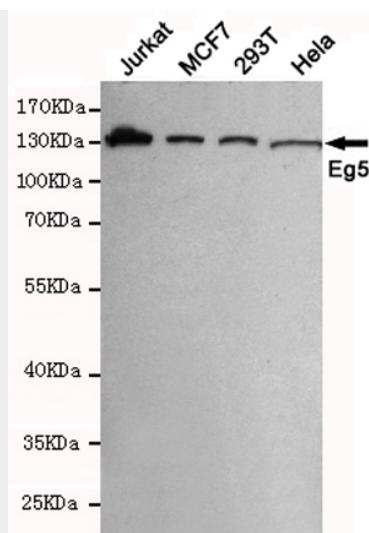
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

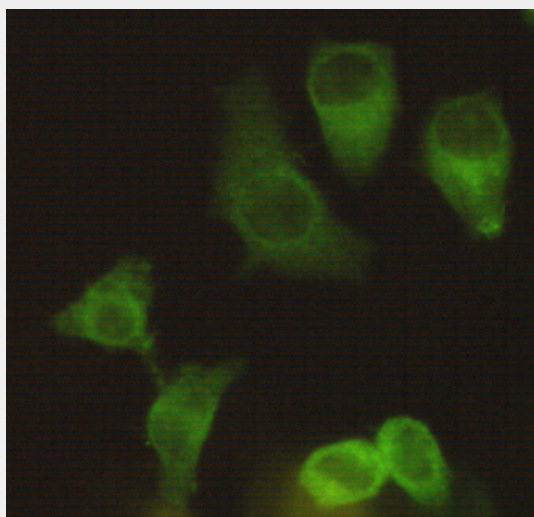
Eg5 Antibody - Images



Immunoprecipitation analysis of Jurkat cell lysates using Eg5 mouse mAb.



Western blot detection of Eg5 in MCF7, 293T, Jurkat and HeLa cell lysates using Eg5 mouse mAb (1:1000 diluted). Predicted band size: 130KDa. Observed band size: 130KDa.



Immunocytochemistry staining of HeLa using Eg5 mouse mAb (1:200).

Eg5 Antibody - Background

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

Eg5 Antibody - References

- Blangy A., et al. Cell 83:1159-1169(1995).
- Whitehead C.M., et al. J. Cell Sci. 111:2551-2561(1998).
- Deloukas P., et al. Nature 429:375-381(2004).
- Lee J.W., et al. Mol. Endocrinol. 9:243-254(1995).
- Beausoleil S.A., et al. Nat. Biotechnol. 24:1285-1292(2006).