

# Eg5 Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AP53275

## Product Information

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Application	WB, ICC, IP
Primary Accession	<a href="#">P52732</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	119159

## Additional Information

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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

## Protein Information

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Name	KIF11
Synonyms	EG5, KNSL1, TRIP5
Function	Motor protein required for establishing a bipolar spindle and thus contributing to chromosome congression during mitosis (PubMed: <a href="#">19001501</a> , PubMed: <a href="#">37728657</a> ). Required in non-mitotic cells for transport of secretory proteins from the Golgi complex to the cell surface (PubMed: <a href="#">23857769</a> ).
Cellular Location	Cytoplasm. Cytoplasm, cytoskeleton, spindle pole

## Background

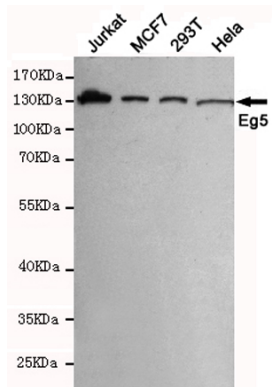
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Motor protein required for establishing a bipolar spindle. Blocking of KIF11 prevents centrosome migration and arrest cells in mitosis with monoastal microtubule arrays.

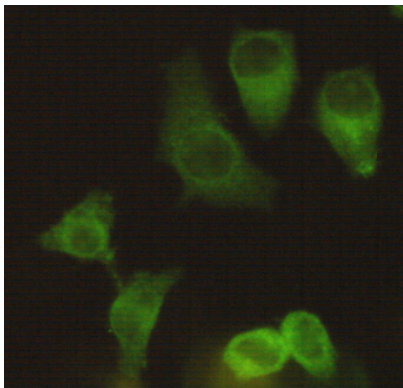
## References

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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).

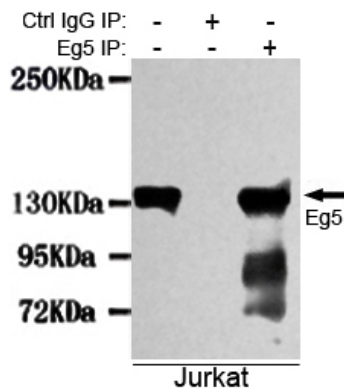
## Images



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).



Immunoprecipitation analysis of Jurkat cell lysates using Eg5 mouse mAb.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.