

# Eg5 Rabbit mAb

Catalog # AP76479

## Product Information

---

<b>Application</b>	WB, IHC-P, FC
<b>Primary Accession</b>	<a href="#">P52732</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	119159

## Additional Information

---

<b>Gene ID</b>	3832
<b>Other Names</b>	KIF11
<b>Dilution</b>	WB~~1:500-1:1000 IHC-P~~N/A FC~~1:20-1:50
<b>Format</b>	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

---

<b>Name</b>	KIF11
<b>Synonyms</b>	EG5, KNSL1, TRIP5
<b>Function</b>	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> ).
<b>Cellular Location</b>	Cytoplasm. Cytoplasm, cytoskeleton, spindle pole

## Background

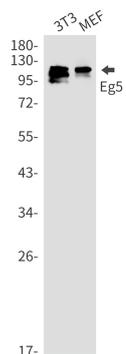
---

Eg5 is a plus-end-directed microtubule motor encoded by KIF11 gene. It is an essential mitotic kinesin that plays a pivotal role in the formation and maintenance of bipolar spindle during early prometaphase. Eg5 has

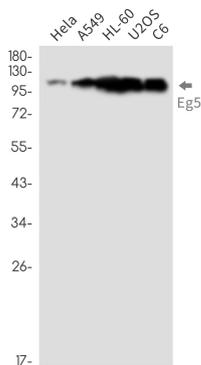
been implicated in tumourigenesis, and its overexpression has been found in various cancer tissues.

## Images

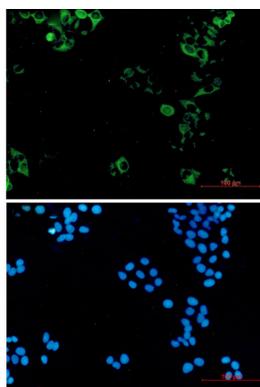
---



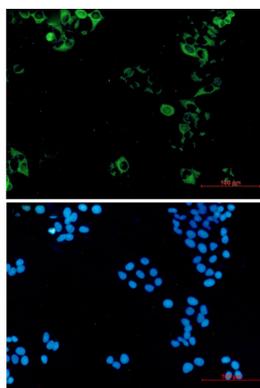
Western blot analysis of Eg5 in 3T3, MEF lysates using Eg5 antibody.



Western blot analysis of Eg5 in HeLa, A549, HL-60, U2OS, C6 lysates using Eg5 antibody.



Immunocytochemistry analysis of Eg5 (green) in hela using Eg5 antibody, and DAPI(blue)



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