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Eg5 Rabbit mAb

Catalog # AP76479

Product Information

Application	WB, IHC-P, FC
Primary Accession	P52732
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	119159

Additional Information

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

Protein Information

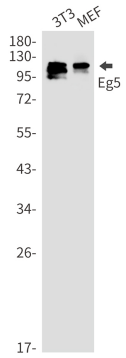
Name	KIF11
Synonyms	EG5, KNSL1, TRIP5
Function	Motor protein required for establishing a bipolar spindle and thus contributing to chromosome congression during mitosis (PubMed:19001501, PubMed:37728657). Required in non-mitotic cells for transport of secretory proteins from the Golgi complex to the cell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

Background

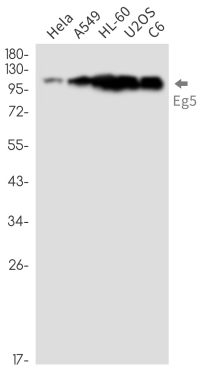
Eg5 is a plus-end-directed microtubule motor encoded by KIF11 gene. It is an essential mitotic kinesin that plays a pivotal role in the formation and maintenance of bipolar spindle during early prometaphase. Eg5 has

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

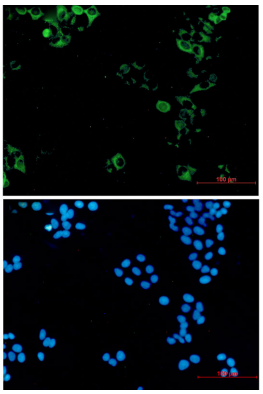
Images



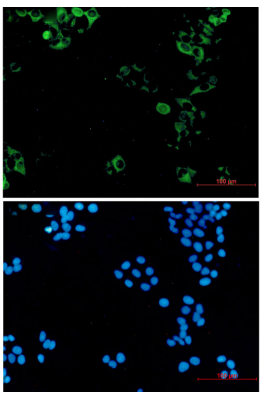
Western blot analysis of Eg5 in 3T3, MEF lysates using Eg5 antibody.



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)



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