Eg5 Recombinant antibody

Catalog Number:84966-2-RR

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Basic Information

Catalog Number: 84966-2-RR	GenBank Accession Number: BC136474	Purification Method: Protein A purification	
Size: 1000 μg/ml	GeneID (NCBI): 3832	CloneNo.: 242611D10	
Source: Rabbit	UNIPROT ID: P52732	Recommended Dilutions: WB 1:5000-1:50000	
Isotype: IgG	Full Name: kinesin family member 11	IF/ICC 1:250-1:1000	
Immunogen Catalog Number: AG20001	Calculated MW: 1056 aa, 119 kDa		
	Observed MW: 120-130 kDa		

Applications

Tested Applications:
WB, IF/ICC, FC (Intra), ELISA

Species Specificity:
human

Positive Controls:

WB : HeLa cells, HepG2 cells, HEK-293 cells

IF/ICC : HepG2 cells,

Background Information

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.

Storage

Storage:
Store at -20℃. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data
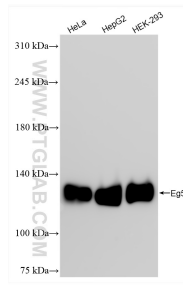
Various lysates were subjected to SDS PAGE followed by western blot with 84966-2-RR (Eg5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.
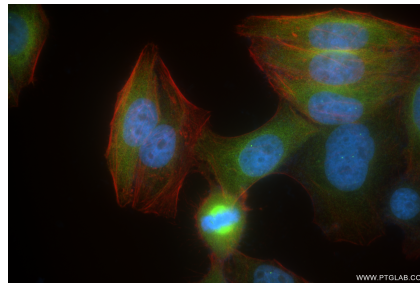
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Eg5 antibody (84966-2-RR, Clone: 242611D10) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).
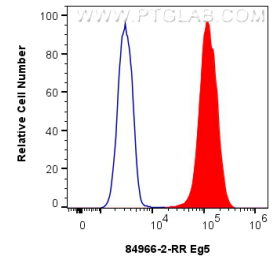
1x10^6 HeLa cells were intracellularly stained with 0.25 ug Eg5 Recombinant antibody (84966-2-RR, Clone:242611D10) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).