

For Research Use Only

CENPF Recombinant antibody

Catalog Number: 84865-4-RR



Basic Information

Catalog Number: 84865-4-RR	GenBank Accession Number: NM_016343	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1063	CloneNo.: 242277G9
Source: Rabbit	UNIPROT ID: P49454	Recommended Dilutions: IF/ICC 1:250-1:1000
Isotype: IgG	Full Name: centromere protein F, 350/400ka (mitosin)	
Immunogen Catalog Number: AG29665	Calculated MW: 368 kDa	

Applications

Tested Applications: IF/ICC, ELISA	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: human	

Background Information

CENPF, also named as mitosin and centromere protein F (PMID: 22912832), belongs to centromere protein F family. During the cell cycle, CENPF localizes in multiple cellular structures including the nuclear envelope in late G2/early prophase and kinetochores throughout mitosis (PMID: 30198378). CENPF is required for kinetochore function and chromosome segregation in mitosis and required for kinetochore localization of dynein, LIS1, NDE1 and NDEL1 (PMID: 17600710)(PMID: 7542657). It regulates recycling of the plasma membrane by acting as a link between recycling vesicles and the microtubule network through its association with STX4 and SNAP25. Acts as a potential inhibitor of pocket protein-mediated cellular processes during development by regulating the activity of RB proteins during cell division and proliferation (PMID: 26125848). The calculated molecular weight of CENPF is ~358 kDa and CENPF can be detected as ~367 kDa (PMID: 7542657).

Storage

Storage:
Store at -20°C. 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

*** 20ul sizes contain 0.1% BSA

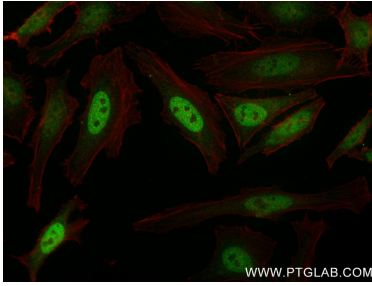
For technical support and original validation data for this product please contact:

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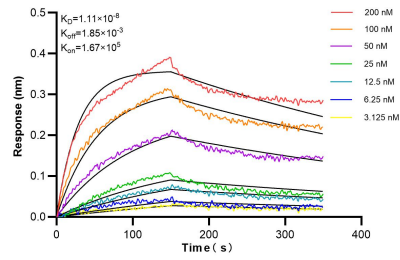
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CENPF antibody (84865-4-RR, Clone: 242277G9) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 84865-4-RR against Human CENPF were performed. The affinity constant is 11.1 nM.