

For Research Use Only

CLASP1 Polyclonal antibody

Catalog Number: 13713-1-AP



Basic Information

Catalog Number: 13713-1-AP	GenBank Accession Number: BC032563	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 147 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 23332	
Source: Rabbit	Full Name: cytoplasmic linker associated protein 1	
Isotype: IgG	Calculated MW: 1538 aa, 169 kDa	
Immunogen Catalog Number: AG4651		

Applications

Tested Applications:
ELISA

Species Specificity:
human, mouse, rat

Background Information

CLASP1 and CLASP2 are homologous mammalian proteins, which associate with the ends of growing microtubules. In interphase cells CLASPs can attach microtubule plus ends to the cortex and stabilize them by repeatedly rescuing them from depolymerization. A truncated form of CLASP1 lacking the kinetochore binding domain behaves as a dominant negative, leading to the formation of radial arrays of microtubule bundles that are highly resistant to depolymerization. Microinjection of CLASP1-specific antibodies suppresses microtubule dynamics at kinetochores and throughout the spindle, resulting in the formation of monopolar asters with chromosomes buried in the interior. Therefore, CLASP1 is required at kinetochores for attached microtubules to exhibit normal dynamic behavior.

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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Selected Validation Data