

For Research Use Only

SPC25 Recombinant monoclonal antibody

Catalog Number: 87323-1-RR



Basic Information

Catalog Number: 87323-1-RR	GenBank Accession Number: BC022255	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 57405	CloneNo.: 252476G7
Source: Rabbit	UNIPROT ID: Q9HBM1	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG	Full Name: SPC25, NDC80 kinetochore complex component, homolog (S. cerevisiae)	
Immunogen Catalog Number: AG23985	Observed MW: 26 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : HeLa cells, HepG2 cells, HEK-293T cells, Jurkat cells, SKOV-3 cells, THP-1 cells

Background Information

Spindle Pole Body Component 25 (SPC25), a core subunit of the NDC80 kinetochore complex, is essential for accurate chromosome alignment and segregation during mitosis . By linking microtubules to kinetochores, SPC25 ensures proper attachment and tension generation, critical for the maintenance of genomic stability . SPC25 is largely found in the cytoplasm and nucleus. The NDC80 complex, which is involved in kinetochore-microtubule interactions and spindle assembly checkpoint activity, is composed of four subunits: SPC24, SPC25, NDC80, and NUF2. (PMID: 40587622 ,PMID: 40400636)

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

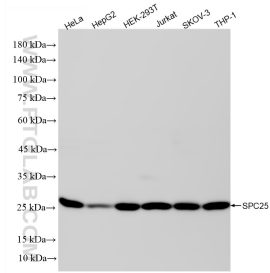
For technical support and original validation data for this product please contact:

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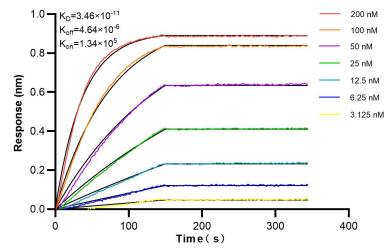
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87323-1-RR (SPC25 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87323-1-RR against Human SPC25 were performed. The affinity constant is 34.6 pM.