

For Research Use Only

NUSAP1 Recombinant monoclonal antibody

Catalog Number:87034-3-RR



Basic Information

Catalog Number: 87034-3-RR	GenBank Accession Number: BC001308	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 51203	CloneNo.: 252131B5
Source: Rabbit	UNIPROT ID: Q9BXS6	Recommended Dilutions: WB: 1:2000-1:10000 IF/ICC: 1:500-1:2000
Isotype: IgG	Full Name: nucleolar and spindle associated protein 1	
Immunogen Catalog Number: AG2654	Calculated MW: 440 aa, 49 kDa	
	Observed MW: 49-60 kDa	

Applications

Tested Applications:
WB, IF/ICC, ELISA

Species Specificity:
human

Positive Controls:

WB : Jurkat cells, HEK-293 cells, HeLa cells, BGC-823 cells, ACHN cells, MDA-MB-231 cells

IF/ICC : HeLa cells,

Background Information

NUSAP1, also named as ANKT, belongs to the NUSAP family. It is microtubule-associated protein with the capacity to bundle and stabilize microtubules. NUSAP1 may associate with chromosomes and promote the organization of mitotic spindle microtubules around them. NUSAP1 plays a role in connecting apoptosis with cell migration and it is a potentially involved in morphogenesis in vertebrates (PMID:21203972). NUSAP1 is an immunogenic antigen in 65% of patients with AML following allogeneic HCT and suggests a tumor antigen role (PMID:20053754). NuSAP1 protein level is tightly regulated by the APC/C ubiquitin ligase complex and NuSAP induces mitotic arrest dependent of its microtubule affinity (PMID:17618083). NUSAP1 is overexpressed in pituitary adenomas.

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

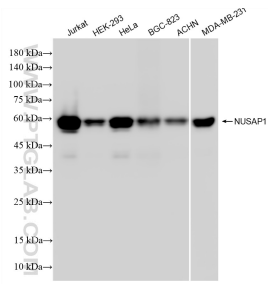
For technical support and original validation data for this product please contact:

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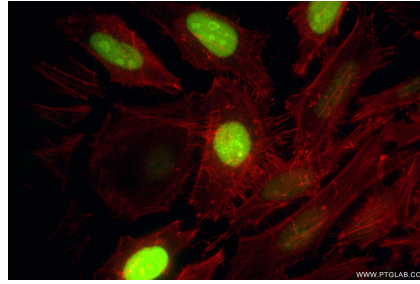
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87034-3-RR (NUSAP1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using NUSAP1 antibody (87034-3-RR, Clone: 252131B5) at dilution of 1:1000 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).