

For Research Use Only

# NUSAP1 Recombinant monoclonal antibody, PBS Only

Catalog Number:87034-3-PBS



## Basic Information

<b>Catalog Number:</b> 87034-3-PBS	<b>GenBank Accession Number:</b> BC001308	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 51203	<b>CloneNo.:</b> 252131B5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BXS6	
<b>Isotype:</b> IgG	<b>Full Name:</b> nucleolar and spindle associated protein 1	
<b>Immunogen Catalog Number:</b> AG2654	<b>Calculated MW:</b> 440 aa, 49 kDa	
	<b>Observed MW:</b> 49-60 kDa	

## Applications

**Tested Applications:**  
WB, IF/ICC, Indirect ELISA

**Species Specificity:**  
human

## 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 -80°C.

**Storage Buffer:**  
PBS only, pH7.3

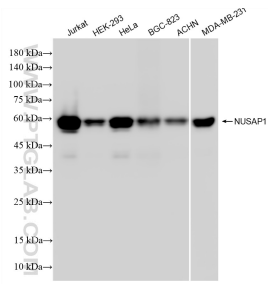
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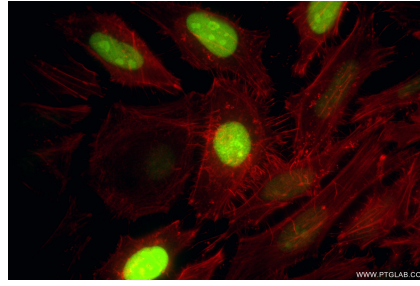
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## Selected Validation Data



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. This data was developed using the same antibody clone with 87034-3-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 87034-3-PBS in a different storage buffer formulation.