

For Research Use Only

# CoraLite® Plus 488-conjugated NUSAP1 Recombinant monoclonal antibody

Catalog Number: CL488-87034-3



## Basic Information

Catalog Number:

CL488-87034-3

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2654

GenBank Accession Number:

BC001308

GeneID (NCBI):

51203

UNIPROT ID:

Q9BXS6

Full Name:

nucleolar and spindle associated  
protein 1

Calculated MW:

440 aa, 49 kDa

Observed MW:

49-60 kDa

Purification Method:

Protein A purification

CloneNo.:

252131B5

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

T: 4006900926

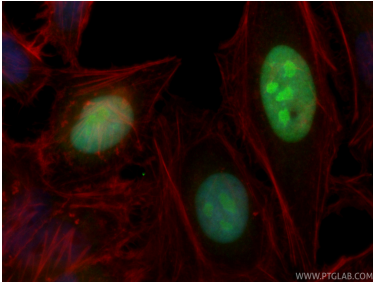
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 NUSAP1 antibody (CL488-87034-3, Clone: 252131B5) at dilution of 1:200, CL594-phalloidin (red).