

For Research Use Only

CoraLite® Plus 488-conjugated NUSAP1 Polyclonal antibody



Catalog Number: CL488-12024

Featured Product

Basic Information

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|---|--|---|
| Catalog Number: CL488-12024 | GenBank Accession Number: BC001308 | Purification Method: Antigen affinity purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 51203 | Recommended Dilutions: IF 1:50-1:500 |
| Source: Rabbit | Full Name: nucleolar and spindle associated protein 1 | Excitation/Emission maxima wavelengths: 493 nm / 522 nm |
| Isotype: IgG | Calculated MW: 440 aa, 49 kDa | |
| Immunogen Catalog Number: AG2654 | Observed MW: 47-52 kDa | |

Applications

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|--------------------------------------|---|
| Tested Applications: IF | Positive Controls: IF : HeLa cells, |
| 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 -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

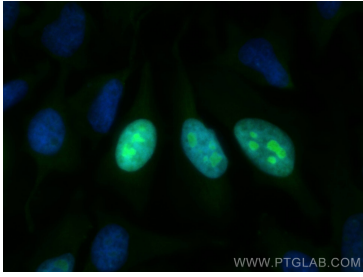
For technical support and original validation data for this product please contact:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 NUSAP1 antibody (CL488-12024) at dilution of 1:200.