

Nur für Forschungszwecke

# NUSAP1 Polyklonaler Antikörper

Katalog-Nr.: 12024-1-AP

Vorgestelltes Produkt

31 Publikationen



## Allgemeine Informationen

Katalog-Nr.:  
12024-1-AP

Größe:  
150ul, Konzentration: 500 µg/ml von  
Nanodrop und 300 µg/ml durch die  
Bradford-Methode mit BSA als  
Standard;

Wirt:  
Kaninchen

Isotyp:  
IgG

Immunogen Katalognummer:  
AG2654

GenBank-Zugangsnummer:  
BC001308

GeneID (NCBI):  
51203

Vollständiger Name:  
nucleolar and spindle associated  
protein 1

Berechnete Masse:  
440 aa, 49 kDa

Beobachtete Masse:  
47-52 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:5000-1:50000

IP 0.5-4.0 µg für IP und 1:500-1:1000  
für WB

IHC 1:50-1:500

IF 1:50-1:500

## Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

**Hinweis-IHC: Antigendemaskierung mit TE-  
Puffer pH 9,0 empfohlen. (\*) Wahlweise  
kann die Antigendemaskierung auch mit  
Citratpuffer pH 6,0 erfolgen.**

Positivkontrollen:

WB : HEK-293-Zellen, HeLa-Zellen, Jurkat-Zellen

IP : HeLa-Zellen,

IHC : humanes Prostatakarzinomgewebe, humanes  
Kolonkarzinomgewebe

IF : HeLa-Zellen,

## Hintergrundinformationen

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.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Li Chen	26485712	PLoS One	IHC
Sofie De Munter	33054506	Cell Cycle	WB
Esmeralda Castelblanco	27796194	Thyroid	

## Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

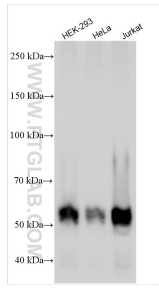
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

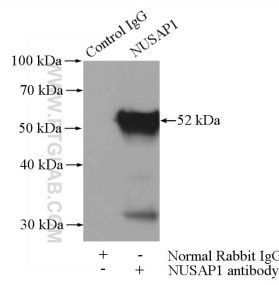
E: proteintech@ptglab.com  
W: ptglab.com

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

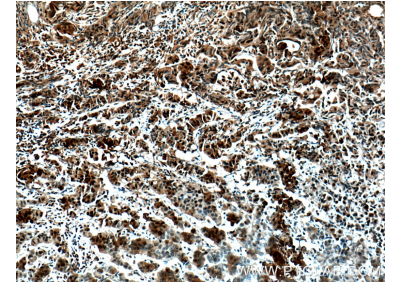
## Ausgewählte Validierungsdaten



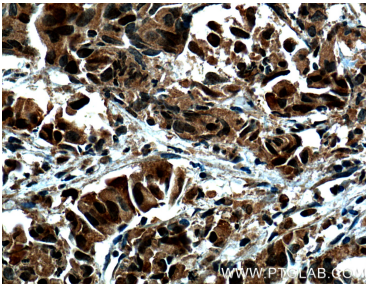
Various lysates were subjected to SDS PAGE followed by western blot with 12024-1-AP (NUSAP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



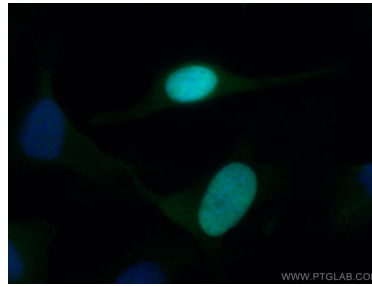
IP Result of anti-NUSAP1 (IP:12024-1-AP, 4 $\mu$ g; Detection:12024-1-AP 1:500) with HeLa cells lysate 2000 $\mu$ g.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 12024-1-AP (NUSAP1 Antibody) at dilution of 1:200 (under 10 $\times$  lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 12024-1-AP (NUSAP1 Antibody) at dilution of 1:200 (under 40 $\times$  lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using NUSAP1 antibody (12024-1-AP) at dilution of 1:200 and CoraLite $^{\text{TM}}$ 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).