

Product datasheet

Anti-NUSAP antibody ab169083

[3 References](#) [2 Images](#)

Overview

Product name	Anti-NUSAP antibody
Description	Mouse polyclonal to NUSAP
Host species	Mouse
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to Human NUSAP aa 216-441. Sequence:

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MNELKQQPINKGGVTRTPVPPRGRLSVASTPISQRRSQGR
SCGPASQSTLG
LKGSLKRSISAIAKTGVRFSAAATKDNEHKRSLTKTPARKS
AHVTVSGGTP
KGEAVLGTHKLKTTGNSAAVITPFKLTTEATQTPVSNKPP
VFDLKASLS
RPLNYEPHKGKLPWGQSKENNYLNQHVNRINFYKKTYYKQ
PHLQTKEEQR KKREQERKEKKAKVLMRRGLILAED
```

Database link: [NP_057443](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

Positive control HeLa cells. NuSAP-transfected 293T cell lysate.

General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.

Storage buffer	pH: 7.4 Constituent: 99% PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

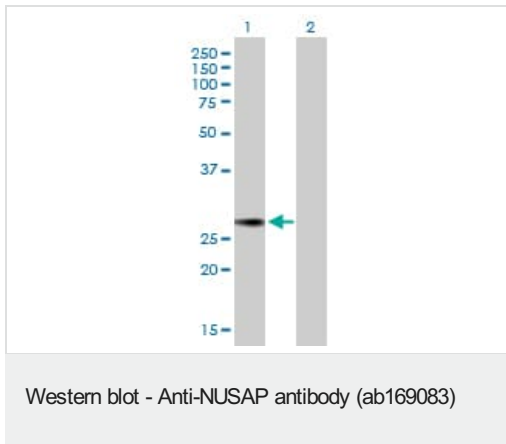
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab169083 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 49 kDa.
ICC/IF		Use a concentration of 10 µg/ml.

Target

Function	Microtubule-associated protein with the capacity to bundle and stabilize microtubules (By similarity). May associate with chromosomes and promote the organization of mitotic spindle microtubules around them.
Sequence similarities	Belongs to the NUSAP family.
Domain	The KEN box is required for the FZR1-dependent degradation of this protein subsequent to ubiquitination.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR. Ubiquitinated. Ubiquitination by FZR1 may lead to proteasome-dependent degradation of this protein.
Cellular localization	Cytoplasm. Nucleus > nucleolus. Cytoplasm > cytoskeleton > spindle. Chromosome. Found in the cytoplasm and nucleolus during interphase and redistributes to the mitotic spindle in prometaphase (By similarity). Localizes to the mitotic spindle during anaphase and telophase then disappears from around the chromosomes during cytokinesis (By similarity). Localizes to multiple distinct regions of chromosomes throughout mitosis.

Images



All lanes : Anti-NUSAP antibody (ab169083) at 1 µg/ml

Lane 1 : NUSAP1-transfected 293T cell lysate

Lane 2 : Non-transfected 293T cell lysate

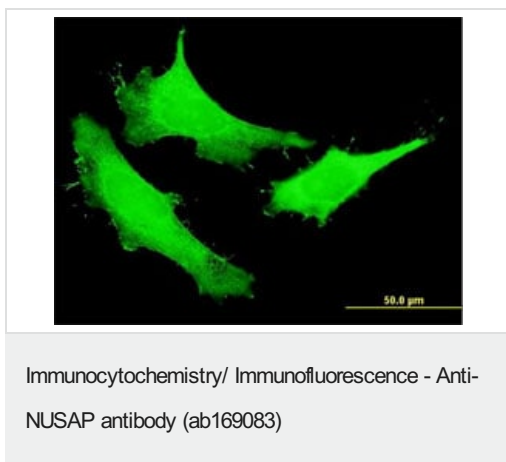
Lysates/proteins at 15 µl per lane.

Secondary

All lanes : Goat Anti-Mouse IgG (H&L)-HRP at 1/2500 dilution

Developed using the ECL technique.

Predicted band size: 49 kDa



Immunofluorescent analysis of HeLa cells labeling NuSAP with ab169083 at 10µg/ml.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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