

Rabbit anti-Human NASP Polyclonal Antibody | anti-NASP antibody

Anti-NASP Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256057	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

NASP; Polyclonal Antibody; Anti-NASP Antibody; Rabbit Polyclonal; NASP Antibody; Rabbit PAb; Antigen Affinity Purified; nuclear autoantigenic sperm protein (histone-binding); Anti-FLB7527 Antibody; Anti-PRO1999 Antibody; anti-NASP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human NASP
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-NASP antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human NASP fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human NASP fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

NASP was immunoprecipitated using: Lane A: 0.5 mg 293T Whole Cell Lysate 4 uL anti-NASP rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-NASP rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 86 kDa. Observed band size: 180 kDa.



IF (Immunofluorescence)

Immunofluorescence staining of NASP in U2OS cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human NASP polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus.



IHC (Immunohistochemistry)

Immunochemical staining of human NASP in human rectum with rabbit polyclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-NASP rabbit polyclonal antibody at 1:2000 dilution Lane A: 293T Whole Cell Lysate Lane B: HepG2 Whole Cell Lysate Lane C: HeLa Whole Cell Lysate Lane D: HEK293 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 86 kDa Observed band size: 180 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-NASP antibody

NASP (Nuclear Autoantigenic Sperm Protein) is a linker histone chaperone required for normal cell division. NASP is a histone H1 binding protein expressed in all cells undergoing division. Synchronized HeLa cells are delayed in progression through the G1/S border when transiently transfected to overexpress full-length NASP, but not the histone-binding site (HBS) deletion mutant (NASP-DeltaHBS). Changes in NASP expression significantly affect cell growth and development; loss of gene function results in embryonic lethality. In humans, growing evidence implicates NASP miss-regulation in the development of a variety of cancers. NASP cDNA contains 2561 nt encoding a protein of 787 amino acids. The open reading frame contains 2446 nt followed by an ochre stop codon (TAA) and 104 nucleotides of untranslated sequence containing a poly(A) addition signal 10 bases upstream of the poly(A) tail.

References

O'Rand MG, et al. (1992) Sequence and localization of human nasp: Conservation of a xenopus histone-binding protein. Dev Biol 154 (1): 37-44. Alekseev OM, et al. (2009) Analysis of gene expression profiles in hela cells in response to overexpression or sirna-mediated depletion of nasp. Reprod Biol Endocrinol 7 45. Alekseev OM, et al. (2005) Mass spectrometry identification of nasp binding partners in hela cells. Proteins 61 (1): 1-5.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nasp-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/256057>