

Rabbit NASP Polyclonal Antibody | anti-NASP antibody

NASP Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322990	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

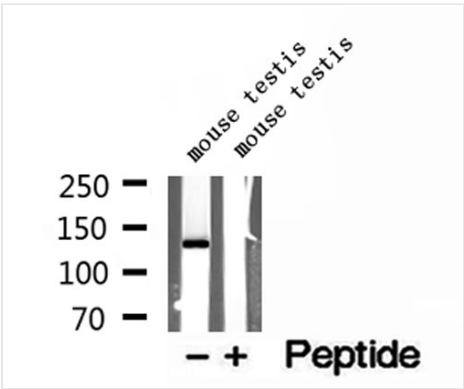
PRODUCT SYNONYMS

NASP; Polyclonal Antibody; NASP Antibody; 5033430J04Rik; AI131596; AI317140; D4ErtD767e; DKFZp547F162; Epc32; FLB7527; FLJ31599; FLJ35510; MGC19722; MGC20372; MGC2297; MGC93869; NASP_HUMAN; nuclear autoantigenic sperm protein (histone binding); Nuclear autoantigenic sperm protein; PRO1999; RP23 233B9.9; anti-NASP antibody

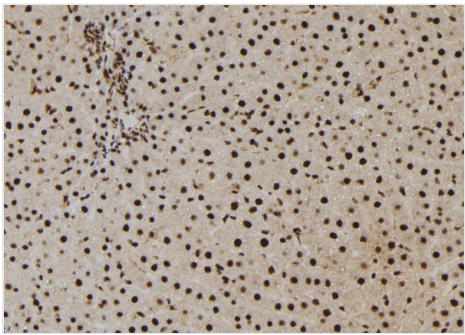
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NASP antibody detects endogenous levels of NASP.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	724
Applicable Applications for anti-NASP antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NASP.
Subcellular Location	Cytoplasm. Nucleus.
Tissue Specificity	Isoform 1 is testis- and sperm-specific.
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit, Dog
Similarity	Pig (89%), Bovine (100%), Horse (100%), Rabbit (89%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of mouse testis tissue, using NASP antibody.



IHC (Immunohistochemistry)
AAA322990 at 1/100 staining Rat liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-NASP antibody	Function: Required for DNA replication, normal cell cycle progression and cell proliferation. Forms a cytoplasmic complex with HSP90 and H1 linker histones and stimulates HSP90 ATPase activity. NASP and H1 histone are subsequently released from the complex and translocate to the nucleus where the histone is released for binding to DNA. Subunit Structure: Binds to linker H1 histones but not to core histones (By similarity). Interacts with histones H2A, H2B, H3 and H4 (PubMed:8724350, PubMed:27618665). Also binds to HSP90 in the cytoplasm. This interaction stimulates binding of NASP to HIST1H1T/H1T (By similarity). Similarity: Belongs to the NASP family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	304434531
NCBI GeneID	4678
NCBI Accession #	NP_001182122.1
NCBI GenBank Nucleotide #	NM_001195193.1
UniProt Accession #	P49321; Q53GW5; Q5T622; Q5T625; Q96A69; Q9BTW2; A8K6H2; B4DQP3; D3DQ07; F5H3J2
Molecular Weight	Observed: 138 kD Predicted: 86 kDa
NCBI Official Full Name	nuclear autoantigenic sperm protein isoform 4
NCBI Official Synonym Full Names	nuclear autoantigenic sperm protein
NCBI Official Symbol	NASP
NCBI Official Synonym Symbols	HMDRA1; FLB7527; PRO1999
NCBI Protein Information	nuclear autoantigenic sperm protein
UniProt Protein Name	Nuclear autoantigenic sperm protein
UniProt Gene Name	NASP
UniProt Synonym Gene Names	NASP

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.