

For Research Use Only

NASP Polyclonal antibody

Catalog Number: 11323-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number:

11323-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 320 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1824

GenBank Accession Number:

BC010105

GeneID (NCBI):

4678

UNIPROT ID:

P49321

Full Name:

nuclear autoantigenic sperm protein (histone-binding)

Calculated MW:

788 aa, 85 kDa

Observed MW:

150 kDa, 70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2400

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: mouse testis tissue,

IP: mouse testis tissue,

IHC: human testis tissue, human lymphoma tissue

IF/ICC: MCF-7 cells,

Background Information

NASP (nuclear autoantigenic sperm protein) is associated with DNA replication, cell proliferation and cell cycle progression through functioning as a Histone H1 binding protein that mediates histone transport to the nucleus. NASP had two isoforms, tNASP (testis type) and sNASP (somatic type). The tNASP was mainly expressed in testis, a variety of malignant tumors, stem cells and embryonic tissues, while sNASP existed in all somatic mitosis cells. This antibody can recognize both isoforms.

Notable Publications

Author	Pubmed ID	Journal	Application
Fei Xiong	36167790	Cell Death Dis	WB
Qing Yuan	25378924	Int J Nanomedicine	WB
Nishibu Takahiro T	23229118	Biosci Trends	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

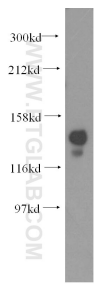
For technical support and original validation data for this product please contact:

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

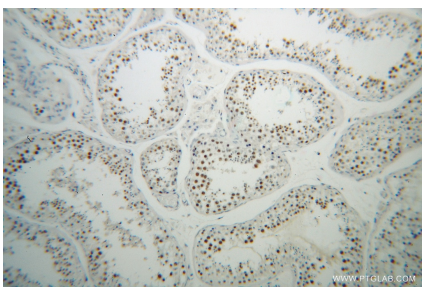
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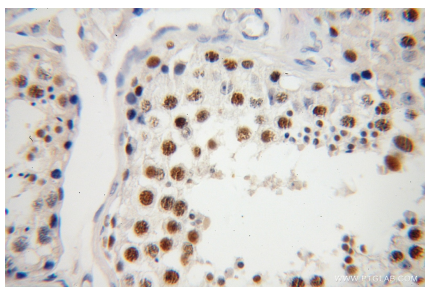
Selected Validation Data



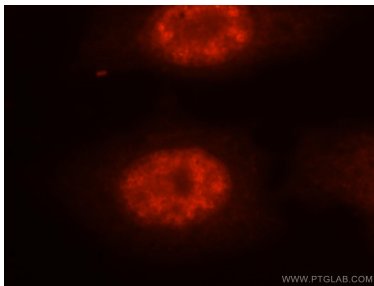
mouse testis tissue were subjected to SDS PAGE followed by western blot with 11323-1-AP (NASP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



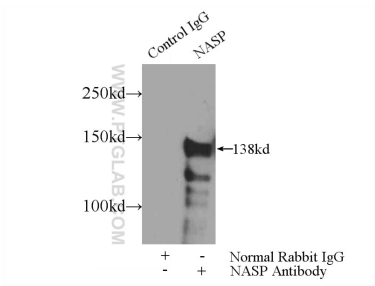
Immunohistochemical analysis of paraffin-embedded human testis using 11323-1-AP (NASP antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis using 11323-1-AP (NASP antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of MCF-7 cells, using NASP antibody 11323-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP result of anti-NASP (IP:11323-1-AP, 5ug; Detection:11323-1-AP 1:1000) with mouse testis tissue lysate 4000ug.