

For Research Use Only

NPM3 Polyclonal antibody

Catalog Number: 11960-1-AP

3 Publications



Basic Information

Catalog Number:

11960-1-AP

Size:

700 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2564

GenBank Accession Number:

BC054868

GeneID (NCBI):

10360

UNIPROT ID:

O75607

Full Name:

nucleophosmin/nucleoplasmin, 3

Calculated MW:

178 aa, 19 kDa

Observed MW:

25 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

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

IHC 1:50-1:500

IF/ICC 1:20-1:200

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : HeLa cells,

IP : HeLa cells,

IHC : human lymphoma tissue,

IF/ICC : HeLa cells,

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

Background Information

NPM3, a member of the nucleophosmin/ nucleoplasmin family, lacks intrinsic histone chaperone activity, inhibits histone assembly activity of NPM1 in vitro, and dramatically enhances transcription in a cellular system (PMID: 20073534). Human NPM3 is an abundant and widely expressed protein with primarily nuclear localization. The NPM3 protein migrated in SDS-PAGE gels as a doublet with apparent molecular masses of 25 and 27 kDa, which are larger than the 20.5 kDa mass predicted by the deduced amino acid sequence including the HA tag (PMID: 11722795). The NPM3 antibody can detect two bands with MW between 20-27 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Andrea Martisova	39300184	Sci Rep	WB
Amani Issa	38858088	Life Sci Alliance	
Han Wang	38029539	Cancer Lett	WB, IHC, IF

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

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

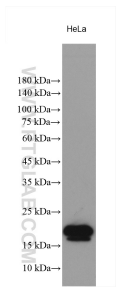
T: 4006900926

E: Proteintech-CN@ptglab.com

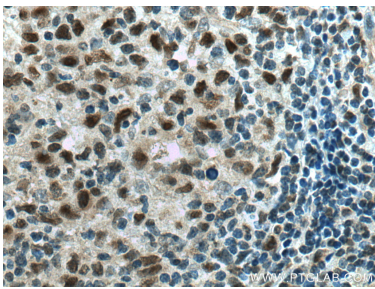
W: ptgcn.com

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

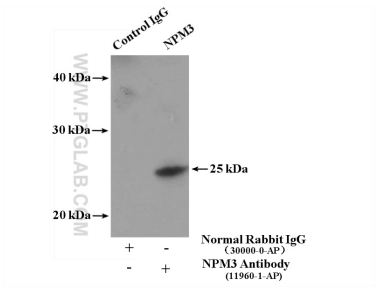
Selected Validation Data



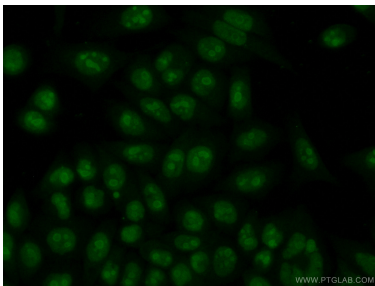
Hela lysates were subjected to SDS PAGE followed by western blot with 11960-1-AP (NPM3 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



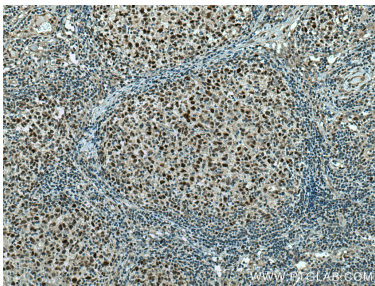
Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 11960-1-AP (NPM3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-NPM3 (IP:11960-1-AP, 4ug; Detection:11960-1-AP 1:500) with HeLa cells lysate 3400ug.



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 11960-1-AP (NPM3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 11960-1-AP (NPM3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).