

For Research Use Only

NIP7 Polyclonal antibody

Catalog Number: 16839-1-AP



Basic Information

Catalog Number:

16839-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10526

GenBank Accession Number:

BC015941

GeneID (NCBI):

51388

UNIPROT ID:

Q9Y221

Full Name:

nuclear import 7 homolog (S. cerevisiae)

Calculated MW:

180 aa, 20 kDa

Observed MW:

20-22 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

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

Applications

Tested Applications:

WB, IP, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HeLa cells, HepG2 cells

IP : HeLa cells,

Background Information

Nip7 was initially identified in yeast as required for processing of the 27S pre-rRNA to form the mature 25S and 5.8S rRNAs (PMID: 9891085). It localizes to the nucleolus but was also found to sediment in the region of free 60S subunits in sucrose density gradients (PMID: 9891085). Experimental evidence suggests that the P. abyssi Nip7 may be an exosome regulatory factor. It binds preferentially to U- and AU-rich RNAs and strongly inhibits the exosome due to its association with both the exosome complex and the substrate RNA.

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

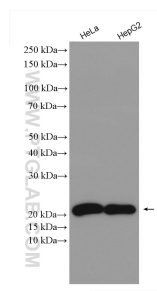
For technical support and original validation data for this product please contact:

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

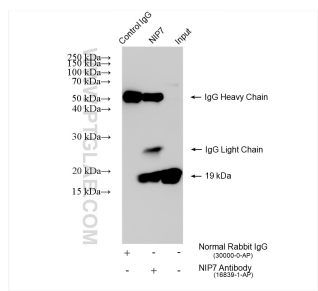
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16839-1-AP (NIP7 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP result of anti-NIP7 (IP:16839-1-AP, 4ug; Detection:16839-1-AP 1:1000) with HeLa cells lysate 1600 ug.