

For Research Use Only

NIP7 Polyclonal antibody

Catalog Number: 16839-1-AP



Basic Information

Catalog Number:

16839-1-AP

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10526

GenBank Accession Number:

BC015941

GeneID (NCBI):

51388

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 IP and 1:500-1:1000 for WB

Applications

Tested Applications:

IP, WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HeLa cells, HepG2 cells

IP : mouse liver tissue,

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

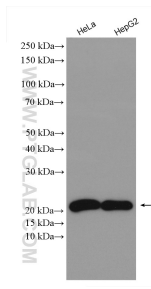
For technical support and original validation data for this product please contact:

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

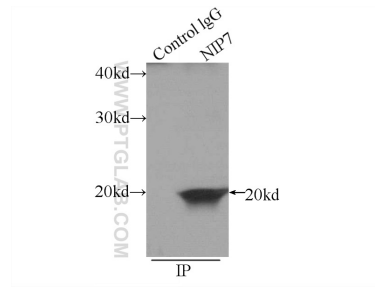
E: proteintech@ptglab.com
W: ptglab.com

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

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, 3ug; Detection:16839-1-AP 1:500) with mouse liver tissue lysate 4000ug.