## For Research Use Only

## NIP7 Polyclonal antibody

Catalog Number: 16839-1-AP



**Basic Information** 

Catalog Number: 16839-1-AP Size: 500 µg/ml

500 µ g/ml 51388

Source: UNIPROT ID:
Rabbit Q9Y221

Isotype: Full Name:

lgG nuclear import 7 homolog (S. cerevisiae)

Immunogen Catalog Number: cerevisiae)
AG10526 Calculated MW:
180 aa, 20 kDa
Observed MW:

Observed M 20-22 kDa

BC015941

GeneID (NCBI):

GenBank Accession Number:

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: IP, WB, 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 275 pre-rRNA to form the mature 25S and 5.85 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:

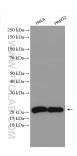
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

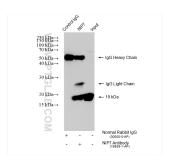
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## 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.