

# NIP7 Polyclonal antibody

Catalog Number: 16839-1-AP

## Basic Information

**Catalog Number:**

16839-1-AP

**Size:**

500 µg/ml

**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 µg 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 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

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.