

For Research Use Only

# GEMIN4 Polyclonal antibody

Catalog Number: 12408-1-AP



## Basic Information

### Catalog Number:

12408-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 260 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3099

### GenBank Accession Number:

BC020062

### GeneID (NCBI):

50628

### UNIPROT ID:

P57678

### Full Name:

gem (nuclear organelle) associated protein 4

### Calculated MW:

1058 aa, 120 kDa

### Observed MW:

120-130 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:200-1:1000

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

### Positive Controls:

WB : HEK-293 cells, HeLa cells

IP : HEK-293 cells, HeLa cells

## Background Information

GEMIN4, also named as P97, is a sub-unit of SMN complex. The SMN complex plays a catalyst role in the assembly of small nuclear ribonucleoproteins (snRNPs). It plays an important role in the splicing of cellular pre-mRNAs. The express amount of GEMIN4 is about 8.79 ppm (<http://pax-db.org/#!protein/984742>). This antibody detects 97-110 kDa GEMIN4.

## 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

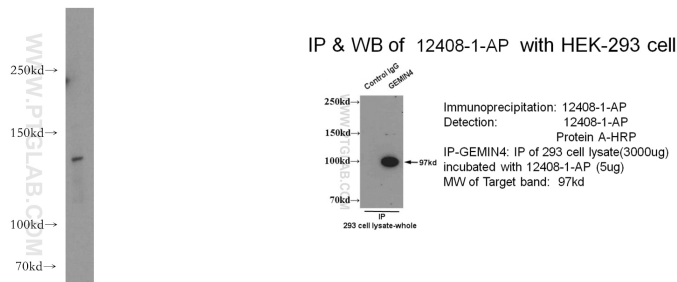
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Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 12408-1-AP (GEMIN4 antibody) at dilution of 1:100 incubated at room temperature for 1.5 hours.

IP result of anti-GEMIN4 (12408-1-AP for IP and Detection) with 293 cell lysate.