

For Research Use Only

# Calmegin Polyclonal antibody

Catalog Number: 12629-1-AP **2 Publications**



## Basic Information

**Catalog Number:**

12629-1-AP

**Size:**

200 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3322

**GenBank Accession Number:**

BC028357

**GeneID (NCBI):**

1047

**UNIPROT ID:**

O14967

**Full Name:**

calmegin

**Calculated MW:**

610 aa, 70 kDa

**Observed MW:**

93 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

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

IHC 1:20-1:200

## Applications

**Tested Applications:**

WB, IP, IHC, ELISA

**Cited Applications:**

WB, IF

**Species Specificity:**

human, mouse, rat

**Cited Species:**

mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** mouse testis tissue, human brain tissue, human lung tissue, mouse brain tissue, mouse lung tissue

**IP:** mouse testis tissue,

**IHC:** human testis tissue,

## Background Information

Calmegin, belonging to the calreticulin family, is a testis-specific molecular chaperon of the endoplasmic reticulum playing a key role in spermatogenesis. Western blot analysis of mouse testis showed a single band with an apparent molecular mass of 93 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Haiyun Gan	23325766	Mol Cell Proteomics	WB
Yujian Wu	26853561	Sci Rep	IF

## 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: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

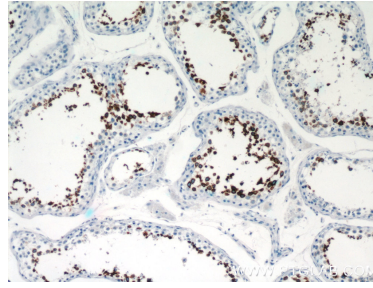
W: [ptgcn.com](http://ptgcn.com)

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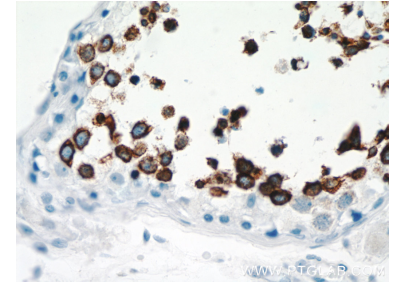
## Selected Validation Data



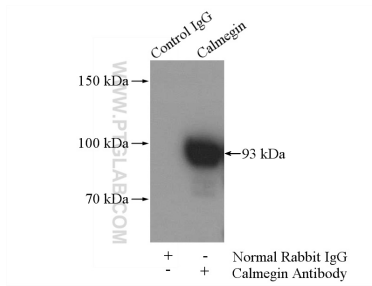
mouse testis tissue were subjected to SDS PAGE followed by western blot with 12629-1-AP (Calmegein antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 12629-1-AP (Calmegein antibody at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 12629-1-AP (Calmegein antibody at dilution of 1:50 (under 40x lens).



IP result of anti-Calmegein (IP:12629-1-AP, 4ug; Detection:12629-1-AP 1:1000) with mouse testis tissue lysate 4000ug.