

For Research Use Only

Calmegin Polyclonal antibody

Catalog Number: 12629-1-AP

2 Publications



Basic Information

Catalog Number:

12629-1-AP

Size:

150ul, Concentration: 200 ug/ml by Nanodrop and 147 ug/ml by Bradford method using BSA as the standard;

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 ug 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

*** 20ul sizes contain 0.1% BSA

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)

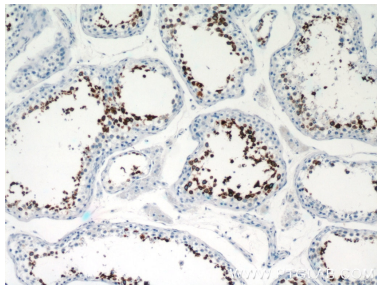
E: proteintech@ptglab.com
W: ptglab.com

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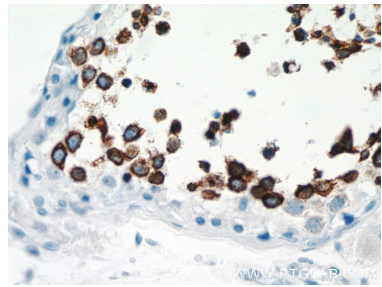
Selected Validation Data



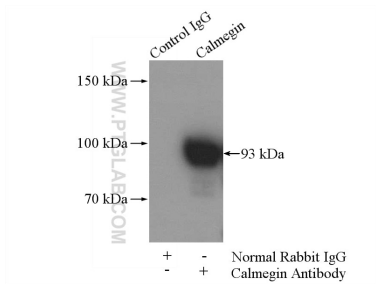
mouse testis tissue were subjected to SDS PAGE followed by western blot with 12629-1-AP (Calmegin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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



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



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