

For Research Use Only

Calmegin Polyclonal antibody

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



Basic Information

Catalog Number: 12629-1-AP	GenBank Accession Number: BC028357	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 200 µg/ml by Nanodrop and 147 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1047	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB IHC 1:20-1:200
Source: Rabbit	Full Name: calmegin	
Isotype: IgG	Calculated MW: 610 aa, 70 kDa	
Immunogen Catalog Number: AG3322	Observed MW: 93 kDa	

Applications

Tested Applications: FC, IHC, IP, WB, ELISA	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,
Cited Applications: IF, WB	
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	

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

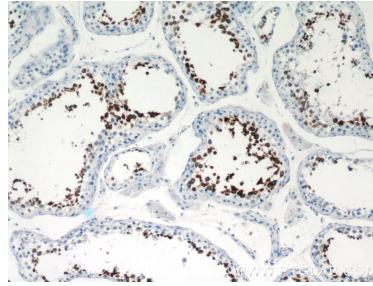
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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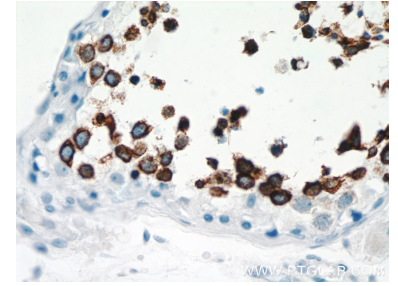
Selected Validation Data



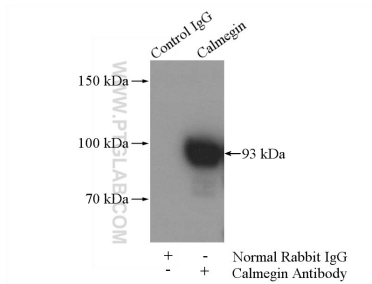
mouse testis tissue were subjected to SDS PAGE followed by western blot with 12629-1-AP (Calmegein antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



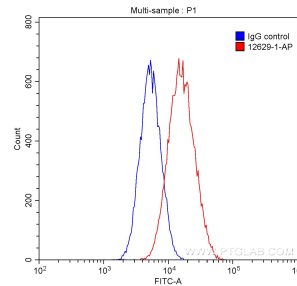
Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 12629-1-AP (Calmegein antibody at dilution of 1:50 (under 10x lens).



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.



1x10⁶ Jurkat cells were intracellularly stained with 0.20ug Anti-Human Calmegein (12629-1-AP) (red) or 0.20 ug control antibody (blue) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000. Fixed with 90% MeOH.