
Product Name: KD-Validated Calmegin Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAAb01579

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 70.0kDa

Antigen Information

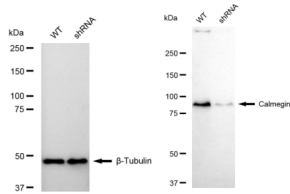
Gene Name	CLGN
Alternative Names	CLGN; Calmegin; Testis Tissue Sperm-Binding Protein Li 79P
Gene ID	1047.0
SwissProt ID	O14967
Immunogen	A synthesized peptide derived from human Calmegin

Background

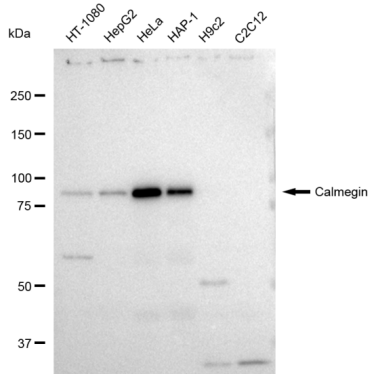
Calmegin is a testis-specific endoplasmic reticulum chaperone protein. CLGN may play a role in spermatogenesis and infertility. [provided by RefSeq, Jul 2008]

Research Area

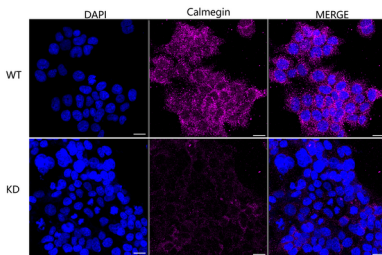
Image Data



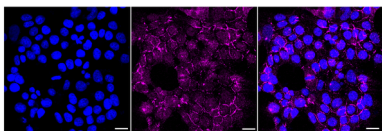
Western blotting analysis using Calmegin antibody (KVA01579). Calmegin expression in wild type (WT) and Calmegin shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Calmegin antibody (KVA01579, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



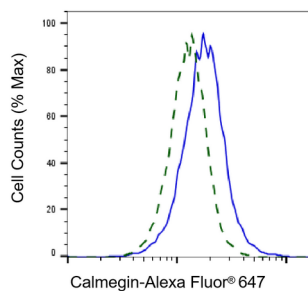
Western blotting analysis using Calmegin antibody (KVA01579). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Calmegin antibody (KVA01579, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells using Calmegin antibody (KVA01579, 1:1,000). Top panel: wild-type (WT); Bottom panel: Calmegin shRNA knockdown (KD). Nuclei were stained blue with DAPI; Calmegin was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm. Permeabilization: Triton.



Immunocytochemical staining of HeLa cells with Calmegin antibody (KVA01579, 1:1,000). Nuclei were stained blue with DAPI; Calmegin was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



Validation of Calmegin knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with Calmegin antibody (KVA01579, 1:2,000) and analyzed using BD flow cytometer.