

# KD-Validated Anti-Calmegin Recombinant Rabbit Monoclonal Antibody



**Catalog #: 61407**

## Aliases

CLGN; Calmegin; Testis Tissue Sperm-Binding Protein Li 79P

## Background

Gene Name: CLGN

NCBI Gene Entry: [1047](#)

UniProt Entry: [O14967](#)

## Application Information

Molecular Weight: Predicted, 70 kDa, observed, 80 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB3285

Species Reactivity: Human

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

## Immunogen

A synthesized peptide derived from human Calmegin

## Isotype

Rabbit IgG

## Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

## Storage

Store at -20 °C for one year.

## Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

**Note:** This product is for research use only.

## Validation Data

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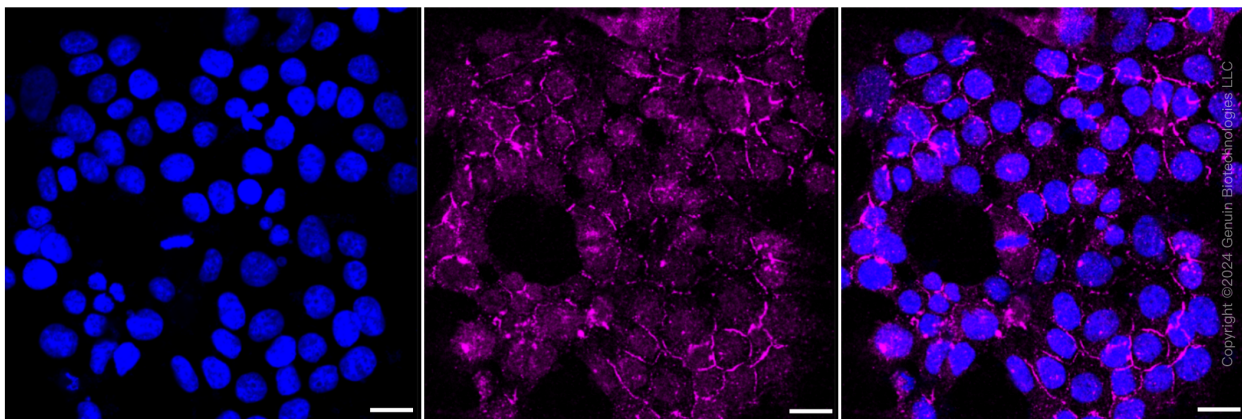
### SUPPORT

SUPPORT@GENUINBIOTECH.COM  
TEL: +1-540-855-7041

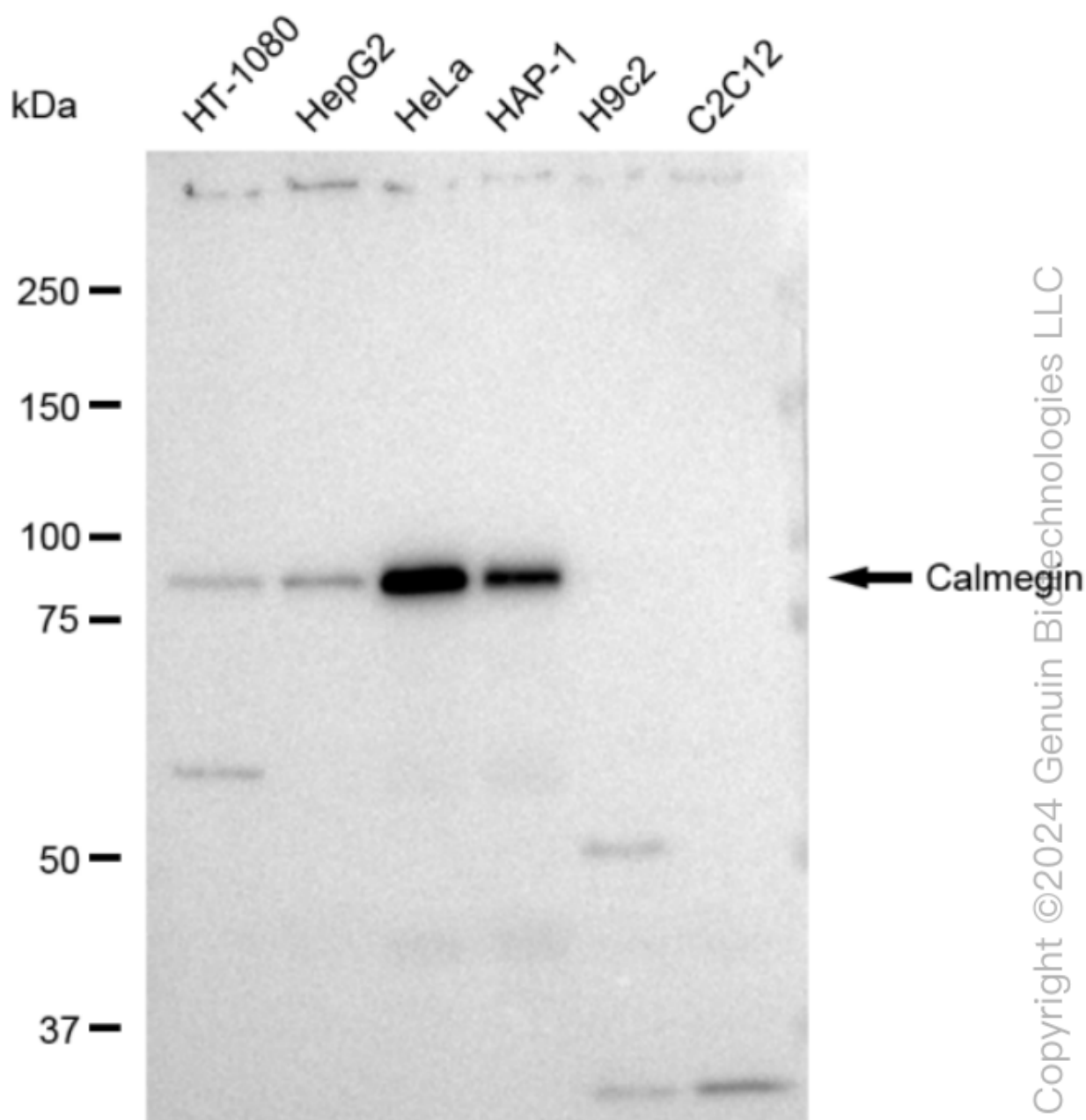
### ORDERS

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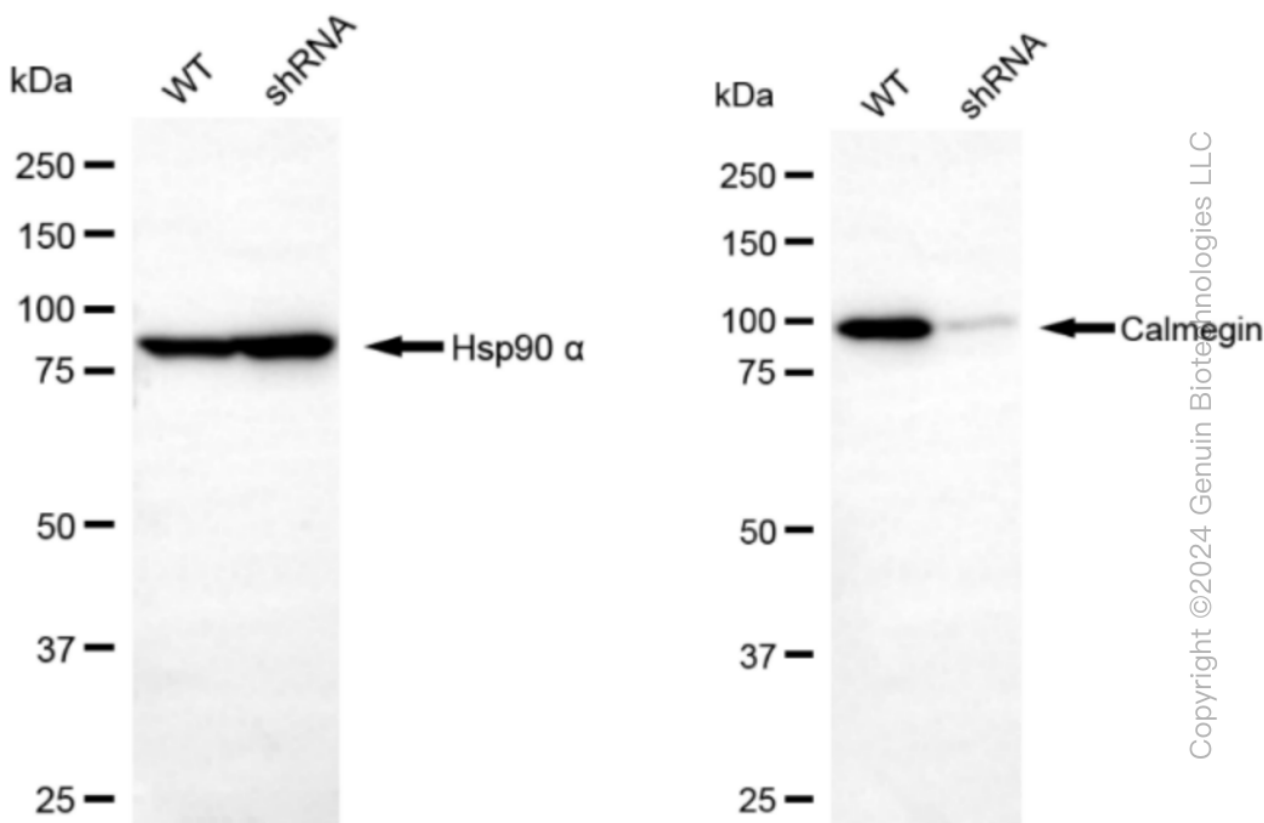
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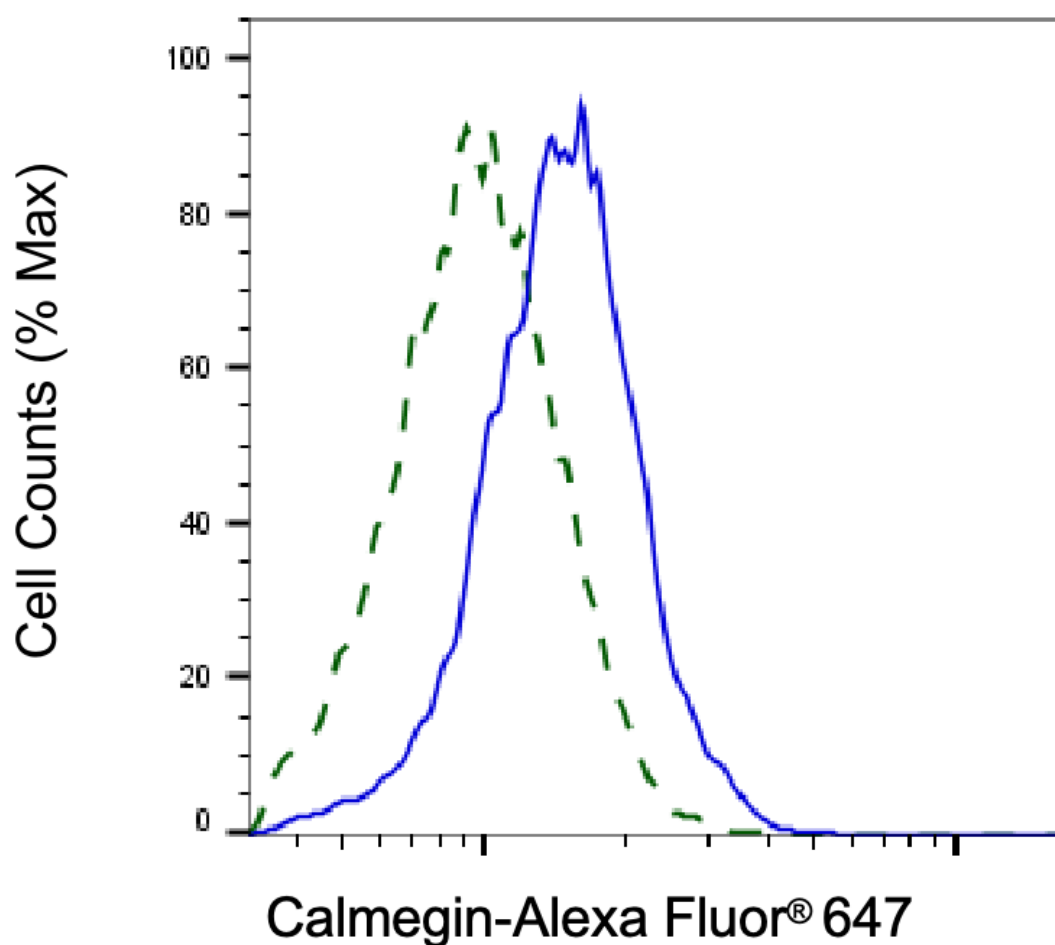
Immunocytochemical staining of HeLa cells with Calmegin antibody (Cat#61407, 1:1,000). Nuclei were stained blue with DAPI; Calmegin was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20  $\mu$ m.



Western blotting analysis using anti-Calmegin antibody (Cat#61407). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Calmegin antibody (Cat#61407, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

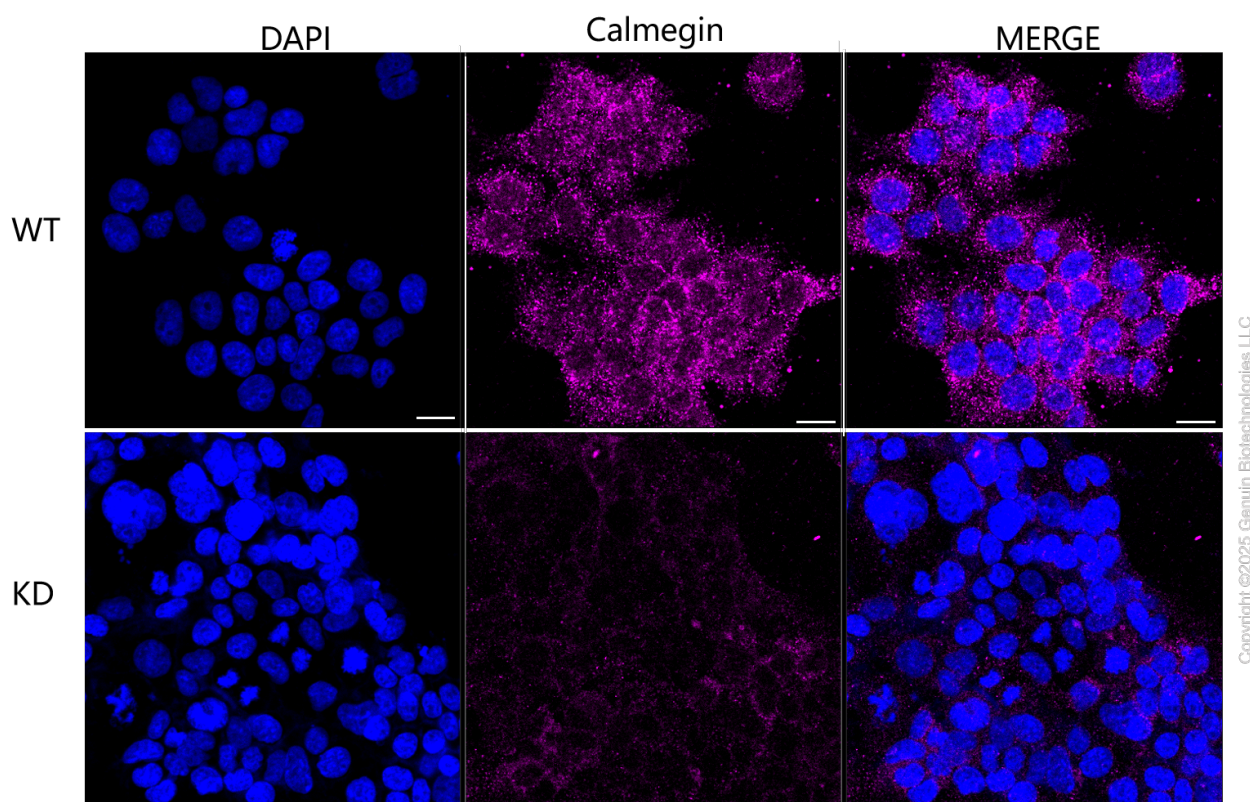


Western blotting analysis using anti-Calmegin antibody (Cat#61407). Calmegin expression in wild type (WT) and Calmegin shRNA knockdown (KD) HeLa cells with 30  $\mu$ g of total cell lysates.  $\beta$ -Tubulin serves as a loading control. The blot was incubated with anti-Calmegin antibody (Cat#61407, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



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Validation of Calmegin knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with anti-Calmegin antibody (Cat#61407, 1:2,000) and analyzed using BD flow cytometer.



Immunocytochemical staining of HeLa cells using anti-Calmegin antibody (Cat#61407, 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  $\mu$ m. Permeabilization: Triton.