

KD-Validated Anti-Calmegin Rabbit Monoclonal Antibody Rabbit monoclonal antibody Catalog # AGI1201

Specification

KD-Validated Anti-Calmegin Rabbit Monoclonal Antibody - Product Information

Application Primary Accession Reactivity Clonality Isotype Calculated MW Gene Name Aliases

Immunogen

WB, ICC <u>O14967</u> Human Monoclonal Rabbit IgG Predicted, 70 kDa, observed, 80 kDa KDa CLGN CLGN; Calmegin; Testis Tissue Sperm-Binding Protein Li 79P A synthesized peptide derived from human Calmegin

KD-Validated Anti-Calmegin Rabbit Monoclonal Antibody - Additional Information

Gene ID Other Names Calmegin, CLGN

1047

KD-Validated Anti-Calmegin Rabbit Monoclonal Antibody - Protein Information

Name CLGN

Function

Functions during spermatogenesis as a chaperone for a range of client proteins that are important for sperm adhesion onto the egg zona pellucida and for subsequent penetration of the zona pellucida. Required for normal sperm migration from the uterus into the oviduct. Required for normal male fertility. Binds calcium ions (By similarity).

Cellular Location Endoplasmic reticulum membrane; Single-pass type I membrane protein

Tissue Location Detected in testis (at protein level). Detected in testis.

KD-Validated Anti-Calmegin Rabbit Monoclonal Antibody - Protocols

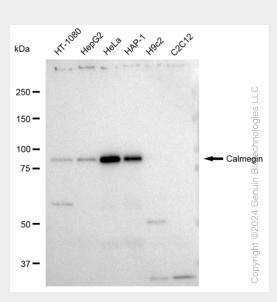
Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- <u>Blocking Peptides</u>

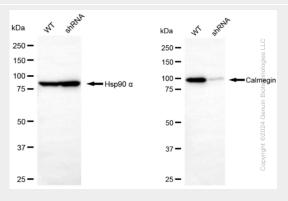


- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

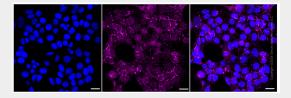
KD-Validated Anti-Calmegin Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-Calmegin antibody (Cat#AGI1201). 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#AGI1201, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Calmegin antibody (Cat#AGI1201). Calmegin expression in wild type (WT) and Calmegin shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-Calmegin antibody (Cat#AGI1201, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Immunocytochemical staining of Hela cells with Calmegin antibody (Cat#AGI1201, 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 $\mu m.$