

Rabbit anti-Human Calmegin Monoclonal Antibody | anti-CLGN antibody

Calmegin Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28520	Rabbit	Human	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

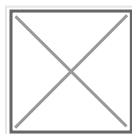
PRODUCT SYNONYMS

Calmegin; Monoclonal Antibody; Calmegin Rabbit mAb; CLGN; anti-CLGN antibody

PRODUCT SPECIFICATIONS

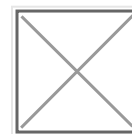
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	FGPDKCGEDY KLHFIFRHKH PKTGVFEEKH AKPPDVDLKK FFTDRKTHLY TLVMNPDDTF EVLVDQTVVN KGSLLLEDVVP PIKPPKEIED PNDKKPEEWD ERAKIPDPSA VKPEDWDESE PAQIEDSSVV KPAGWLDDEP KFIPDPNAEK PDDWNEDTDG EWEAPQILNP A
Applicable Applications for anti-CLGN antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:500-1:2000 IHC-P: 1:50-1:200 IF/ICC: 1:50-1:200 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 180-350 of human Calmegin (O14967).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



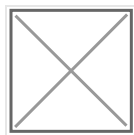
IF (Immunofluorescence)

Immunofluorescence analysis of paraffin-embedded mouse testis using Calmegin Rabbit mAb (AAA28520) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



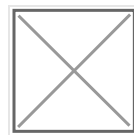
IF (Immunofluorescence)

Immunofluorescence analysis of paraffin-embedded rat testis using Calmegin Rabbit mAb (AAA28520) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



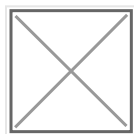
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat testis using Calmegin Rabbit mAb (AAA28520) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



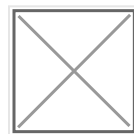
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse testis using Calmegin Rabbit mAb (AAA28520) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of lysates from PC-3 cells, using Calmegin Rabbit mAb (AAA28520) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



WB (Western Blot)

Western blot analysis of various lysates using Calmegin Rabbit mAb (AAA28520) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-CLGN antibody	Calmegin is a testis-specific endoplasmic reticulum chaperone protein. CLGN may play a role in spermatogenesis and infertility.
Product Categories/Family for anti-CLGN antibody	Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	194578888
NCBI GeneID	1047
NCBI Accession #	NP_001124147.1
NCBI GenBank Nucleotide #	NM_001130675.1
UniProt Accession #	O14967 ; B3KS90 ; B4DXV8 ; D3DNY8
Molecular Weight	Calculated MW: 70kDa Observed MW: 70kDa
UniProt Protein Name	Calmegin
UniProt Gene Name	CLGN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/calmegin-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/28520>