

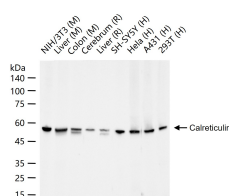
bsm-52436R**[Primary Antibody]****CALR | Calreticulin Recombinant Rabbit mAb****Bioss**
ANTIBODIES

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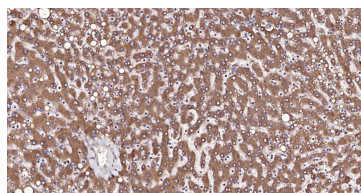
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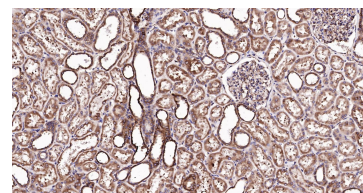
400-901-9800

DATASHEET**Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 3D1**GeneID:** 811**SWISS:** P27797**Target:** CALR | Calreticulin**Immunogen:** A synthesized peptide derived from human Calreticulin: 45-86/417.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.**Background:** Calreticulin is a highly conserved chaperone protein which resides primarily in the endoplasmic reticulum, and is involved in a variety of cellular processes, among them, cell adhesion. Additionally, it functions in protein folding quality control and calcium homeostasis. Calreticulin is also found in the nucleus, suggesting that it may have a role in transcription regulation. Systemic lupus erythematosus is associated with increased autoantibody titers against calreticulin. Recurrent mutations in calreticulin have been linked to various neoplasms, including the myeloproliferative type.[provided by RefSeq, May 2020]**Applications:** WB (1:2000-10000)**IHC-P** (1:200-800)**IHC-F** (1:200-800)**IF** (1:200-800)**Flow-Cyt** (1:50-100)**ICC/IF** (1:100-200)**Reactivity:** Human, Mouse, Rat**Predicted
MW.:** 44 kDa**Observed
MW.:** 55 kDa**Subcellular
Location:** Secreted ,Extracellular
matrix ,Cell membrane
,Cytoplasm**VALIDATION IMAGES**

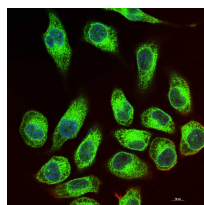
25 ug total protein per lane of various lysates (see on figure) probed with Calreticulin monoclonal antibody, unconjugated (bsm-52436R) at 1:5000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



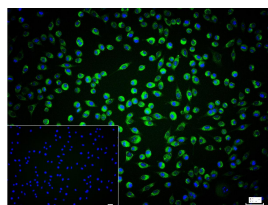
Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Calreticulin Monoclonal Antibody, Unconjugated (bsm-52436R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



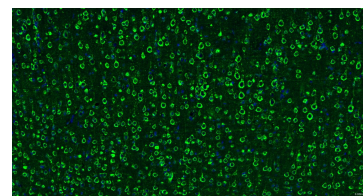
Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Calreticulin Monoclonal Antibody, Unconjugated (bsm-52436R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



4% Paraformaldehyde-fixed HeLa (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (Calreticulin) monoclonal Antibody, unconjugated (bsm-52436R) 1:100, 90 min at 37°C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, then stained with Phalloidin/BF555 for 30 min at room



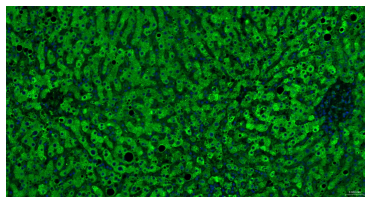
4% Paraformaldehyde-fixed SH-SY5Y (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (Calreticulin) monoclonal Antibody, unconjugated (bsm-52436R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the



Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Calreticulin Antibody, Unconjugated (bsm-52436R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Green, bs-0295G-BF488), DAPI (blue, C02-04002) was used to stain the cell

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

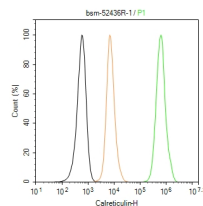
temperature; DAPI (blue, C02-04002) was used to stain the cell nuclei.



Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Calreticulin Antibody, Unconjugated (bsm-52436R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Green, bs-0295G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.

primary antibody was used as the blank control.

nuclei.



The HeLa (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green):Rabbit Anti-Calreticulin antibody (bsm-52436R,1:100); Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=19]** Shuo Qiu. et al. Photo/Sono/Magneto-Responsive Ternary Heteronanocrystals with S-Scheme Heterojunction for Penetrative and ROS-Amplified Tumor Ablation. ADV FUNCT MATER. 2026 Mar;;e75094 WB,IF,IHC ;Mouse. 10.1002/adfm.75094
- **[IF=16]** Yuan Gao. et al. Penetrate-Then-Gate Bioorthogonal In Situ Cancer Vaccination for Aligned Antigen Capture and Localized TLR7/8 Licensing. ACS NANO. 2026 Apr IF ;Mouse. 41981947
- **[IF=16]** Hui Wen. et al. A Cyclic Photosensitizer Nanoplatfrom for Effective Pyroptosis and Enhanced Photoimmunotherapy. ACS NANO. 2025 Sep IF ;Mouse. 41014628
- **[IF=14.1]** Jilong Wang. et al. Engineering Oncolytic Virus-Armed Macrophages for Enhanced Cancer Immunotherapy. ADV SCI. 2026 Apr;;e75406 IF ;Mouse. 42003796
- **[IF=13.3]** Yongjian Zhang. et al. T lymphocyte membrane bionic nanomedicine synergizes with radiotherapy for enhancing Mg²⁺-mediated tumor metallo-immunotherapy and preventing recurrence. THERANOSTICS. 2026 Jan;16(7):3634 IF ;Mouse. 41608570