

bsm-52436R**[Primary Antibody]****Bioss**
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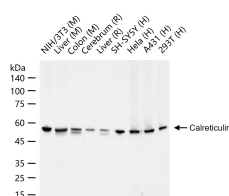
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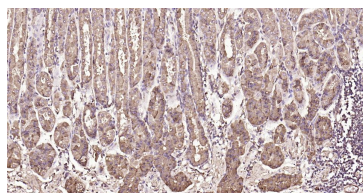
400-901-9800

Calreticulin Recombinant Rabbit mAb**DATASHEET**

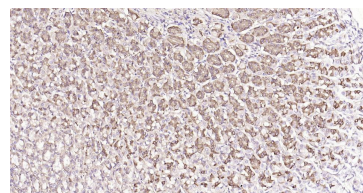
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:50-200) IHC-F (1:50-200) IF (1:50-200) Flow-Cyt (1:20-50) ICC/IF (1:50-200)
Clonality: Recombinant	CloneNo.: 3D1	
GeneID: 811	SWISS: P27797	
Target: Calreticulin		
Immunogen: A synthesized peptide derived from human Calreticulin: 45-86/417.		
Purification: affinity purified by Protein A		Reactivity: Human, Mouse, Rat
Concentration: 1mg/ml		
Storage: 1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.02% Proclin300. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		Predicted MW.: 44 kDa
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]		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 Fundus; 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.



Paraformaldehyde-fixed, paraffin embedded Rat Stomach; 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.

SELECTED CITATIONS

- **[IF=19]** Bingchen Zhang. et al. Precise RNA Editing: Cascade Self-Uncloaking Dual-Prodrug Nanoassemblies Based on CRISPR/Cas13a for Pleiotropic Immunotherapy of PD-L1-Resistant Colorectal Cancer. ADV FUNCT MATER. 2023 Sep;:2305630 WB ;Mouse. 10.1002/adfm.202305630
- **[IF=9.4]** Yundi Wu. et al. Excessive autophagy-inducing and highly penetrable biomineralized bacteria for multimodal imaging-guided and mild hyperthermia-enhanced immunogenic cell death. J COLLOID INTERF SCI. 2025 Feb;679:181 IHC,WB ;Mouse. 39362143
- **[IF=7.7]** Huanran Qu. et al.NIR-II photo- and sono-responsive hyaluronic acid-capped nanozymes for glioblastoma-targeting theranostics..International Journal of Biological Macromolecules.2025 Mar 4:141737. IF ;Mouse. 40049489

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