

bs-5913R**[Primary Antibody]****CALR | Calreticulin Rabbit pAb****BioSS**
ANTIBODIES

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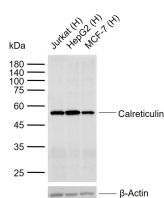
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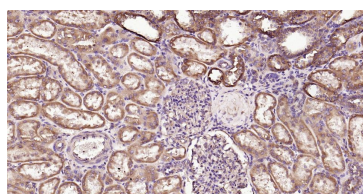
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DATASHEET

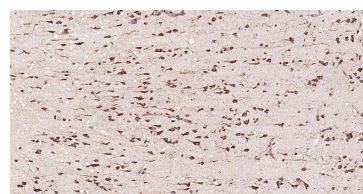
Host: Rabbit Clonality: Polyclonal GeneID: 811 Target: CALR Calreticulin Immunogen: KLH conjugated synthetic peptide derived from human Calreticulin: 101-200/417. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. 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]	Isotype: IgG SWISS: P27797 Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ELISA (1:5000-10000) Reactivity: Human Predicted MW.: 44 kDa Observed MW.: 52 kDa Subcellular Location: Secreted ,Extracellular matrix ,Cell membrane ,Cytoplasm
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VALIDATION IMAGES

Sample: Lane 1: Human Jurkat cell lysates Lane 2: Human HepG2 cell lysates Lane 3: Human MCF-7 cell lysates Primary: Anti-Calreticulin (bs-5913R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 44 kDa Observed band size: 52 kDa



Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Calreticulin Polyclonal Antibody, Unconjugated (bs-5913R) 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 Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Calreticulin Polyclonal Antibody, Unconjugated (bs-5913R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

SELECTED CITATIONS

- **[IF=29.4]** Zhenyu Wang. et al. Laser-Activatable in Situ Vaccine Enhances Cancer-Immunity Cycle. ADV MATER. 2023 Nov;;2307193 FCM ;Mouse. 37951210
- **[IF=27.4]** Ying-Tao Zhong. et al. Plasma Membrane Targeted Photodynamic Nanoagonist to Potentiate Immune Checkpoint Blockade Therapy by Initiating Tumor Cell Pyroptosis and Depleting Infiltrating B Cells.ADVANCED MATERIALS.2025 Feb 26:e2415078. IF,flow cytometry ;Mouse. 40012447
- **[IF=27.4]** Qianyi Su. et al. Eradication of Large Tumors by Nanoscale Drug Self-Assembly. ADV MATER. 2024 Oct;;2410536 FC ;Mouse. 39420689
- **[IF=18.9]** Ze Wang. et al. Turning foes to friends: Advanced “in situ nanovaccine” with dual immunoregulation for

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enhanced immunotherapy of metastatic triple-negative breast cancer. BIOACT MATER. 2024 Sep;39:612 FCM ;Mouse. 38883315

- **[IF=18.5]** Baohua Zhang. et al. Self-Oxygenated Biomimetic Nanozyme for Tumor Catalytic Immunotherapy. ADV FUNCT MATER. 2024 Oct;:2411103 FC ;Mouse. 10.1002/adfm.202411103