bs-25628R **[Primary Antibody]**

Calreticulin Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 811 **SWISS:** P27797

Target: Calreticulin

Immunogen: KLH conjugated synthetic peptide derived from human Calreticulin: 181-280/417.

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]

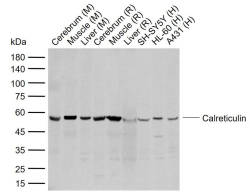
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse, Rat

Predicted MW.: 19.6 kDa

Subcellular Location: Secreted ,Extracellular matrix ,Cell membrane ,Cytoplasm

VALIDATION IMAGES



Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Mouse Muscle tissue lysates Lane 3: Mouse Liver tissue lysates Lane 4: Rat Cerebrum tissue lysates Lane 5: Rat Muscle tissue lysates Lane 6: Rat Liver tissue lysates Lane 7: Human SH-SY5Y cell lysates Lane 8: Human HL-60 cell lysates Lane 9: Human A431 cell lysates Primary: Anti-Calreticulin (bs-25628R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 19.6 kDa Observed band size: 55 kDa

SELECTED CITATIONS

- **[IF=13.3]** Keyan Zhang. et al.Epidermal growth factor receptor targeted photodynamic degrader to activate breast cancer immunity by intensifying immunogenic cell death and downregulating PD-L1.CHEMICAL ENGINEERING JOURNAL. IF ;Mouse. 10.1016/j.cej.2025.160811