

bsm-52639R**[Primary Antibody]****BioSS**
ANTIBODIES

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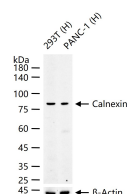
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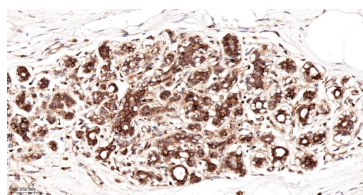
400-901-9800

Calnexin Recombinant Rabbit mAb**DATASHEET**

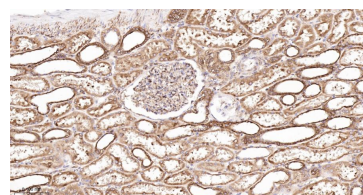
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human Predicted MW.: 65 kDa Observed MW.: 80 kDa Subcellular Location: Cell membrane ,Cytoplasm
Clonality: Recombinant	CloneNo.: 24G6	
GeneID: 821	SWISS: P27824	
Target: Calnexin		
Purification: 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: This gene encodes a member of the calnexin family of molecular chaperones. The encoded protein is a calcium-binding, endoplasmic reticulum (ER)-associated protein that interacts transiently with newly synthesized N-linked glycoproteins, facilitating protein folding and assembly. It may also play a central role in the quality control of protein folding by retaining incorrectly folded protein subunits within the ER for degradation. Alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq]		

VALIDATION IMAGES

25 ug total protein per lane of various lysates (see on figure) probed with Calnexin monoclonal antibody, unconjugated (bsm-52639R) at 1:500 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Calnexin Monoclonal Antibody, Unconjugated (bsm-52639R) 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; The section was incubated with Calnexin Monoclonal Antibody, Unconjugated (bsm-52639R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

SELECTED CITATIONS

- **[IF=16.6]** Li Yike. et al. Thermophoretic glycan profiling of extracellular vesicles for triple-negative breast cancer management. NAT COMMUN. 2024 Mar;15(1):1-15 WB ;Human. 38480740
- **[IF=14.957]** Zhenglin Li. et al. Cascaded microfluidic circuits for pulsatile filtration of extracellular vesicles from whole blood for early cancer diagnosis. SCI ADV. 2023 Apr;9(16) WB ;Human. 37083528
- **[IF=10.9]** Zetao Wang. et al. Extracellular vesicles loaded dual-network bioactive sealant via immunoregulation and annulus fibrosus repair for intervertebral disc herniation. J MATER SCI TECHNOL. 2024 Jun;184:75 WB ;Human. 10.1016/j.jmst.2023.10.034
- **[IF=10.753]** Xiaoyu Wang. et al. The key role of proteostasis at mitochondria-associated endoplasmic reticulum membrane in vanadium-induced nephrotoxicity using a proteomic strategy. SCI TOTAL ENVIRON. 2023 Apr;869:161741 WB ;Duck. 36693574

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

- **[IF=5.9]** Zhong Shenjie. et al. Bmp8a deletion leads to obesity through regulation of lipid metabolism and adipocyte differentiation. COMMUN BIOL. 2023 Aug;6(1):1-13 WB ;Zebrafish. 37553521