

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

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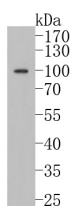
400-901-9800

Calnexin Recombinant Rabbit mAb

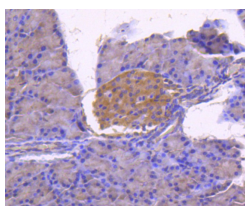
DATASHEET

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:50-200) IHC-F (1:400-800) IF (1:100-500) Flow-Cyt (1:50) ICC/IF (1:50)
Clonality: Recombinant	CloneNo.: 24G6	
GeneID: 821	SWISS: P27824	
Target: Calnexin		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Reactivity: Human, Rat Predicted MW.: 65 kDa Subcellular Location: Cell membrane ,Cytoplasm
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]		

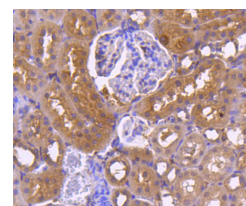
VALIDATION IMAGES



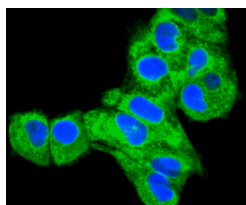
Sample: Lane 1: HeLa cell lysate Primary: Anti-Calnexin (bsm-52639R) at 1:500 dilution
 Secondary: Goat Anti-Rabbit IgG - HRP at 1:5000 dilution Predicted band size: 65 kD Observed band size: 100 kD



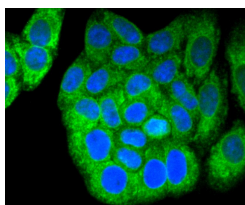
Paraformaldehyde-fixed, paraffin embedded (rat pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Calnexin) Monoclonal Antibody, Unconjugated (bsm-52639R) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



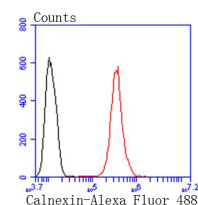
Paraformaldehyde-fixed, paraffin embedded (rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Calnexin) Monoclonal Antibody, Unconjugated (bsm-52639R) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



HeLa cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Calnexin) monoclonal Antibody, Unconjugated (bsm-52639R) 1:50, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002)



HepG2 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Calnexin) monoclonal Antibody, Unconjugated (bsm-52639R) 1:50, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002)



Blank control: HeLa. Primary Antibody (green line): Rabbit Anti-Calnexin antibody (bsm-52639R) Dilution: 1:50; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-AF488 Dilution: 1:1000. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 0.1% PBST for 20 min at

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room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— 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=10.753]** 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
- **[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=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