

Calnexin Recombinant Rabbit mAb

Catalog Number: bsm-52639R

Target Protein: Calnexin

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 24G6

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)

Reactivity: Human, Rat

Predicted MW: 65 kDa

Entrez Gene: 821

Swiss Prot: P27824

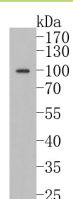
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

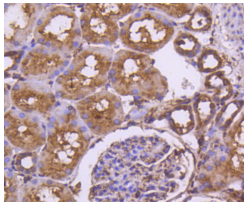
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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]

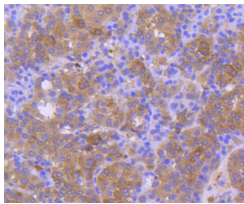
VALIDATION IMAGES



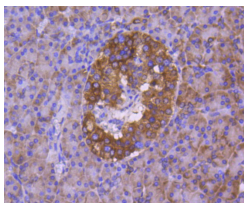
Sample: Lane 1: Hela cell lysate Primary: Anti-Calnexin (bsm-52639R) at 1:500 dilution Secondary: Goat Anti-Rabbit IgG - HRP at 1:5000 dilution Predicted band size: 65 kD Observed band size: 100 kD



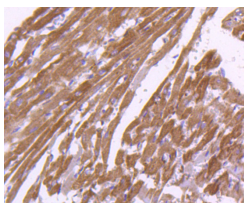
Paraformaldehyde-fixed, paraffin embedded (human kidney tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Calnexin) Monoclonal 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.



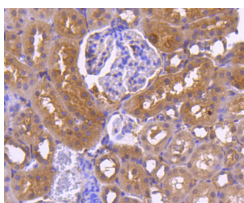
Paraformaldehyde-fixed, paraffin embedded (human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Calnexin) Monoclonal 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 (human pancreas tissue); 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 heart tissue); 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.

PRODUCT SPECIFIC PUBLICATIONS

[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