Calnexin Rabbit mAb

Catalog No: #49102

Package Size: #49102-1 50ul #49102-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

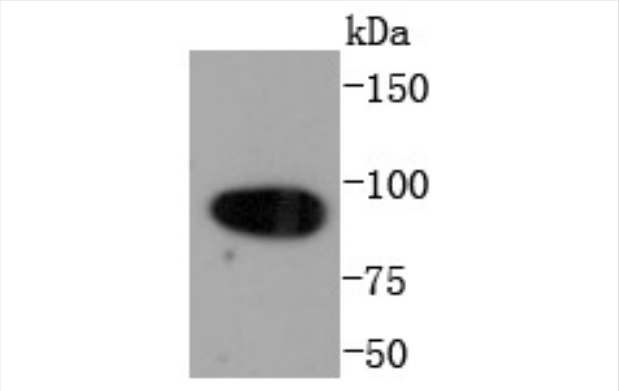
Description

Product Name	Calnexin Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SN20-54
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, FC
Species Reactivity	Hu, Rt
Immunogen Description	recombinant protein
Other Names	Calnexin antibody CALX_HUMAN antibody CANX antibody CNX antibody FLJ26570 antibody Histocompatibility complex class I antigen binding protein p88 antibody IP90 antibody Major histocompatibility complex class I antigen-binding protein p88 antibody p90 antibody
Accession No.	Swiss-Prot#:P27824
Uniprot	P27824
GeneID	821;
Calculated MW	90 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

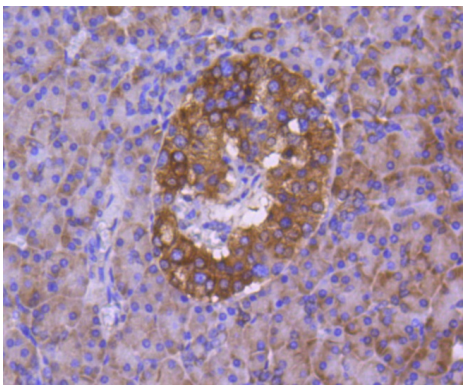
Application Details

WB: 1:1,000-5,000IHC: 1:50-1:200 ICC: 1:100-1:500FC: 1:50-1:100

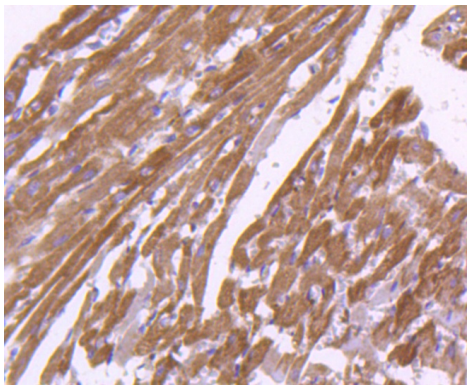
Images



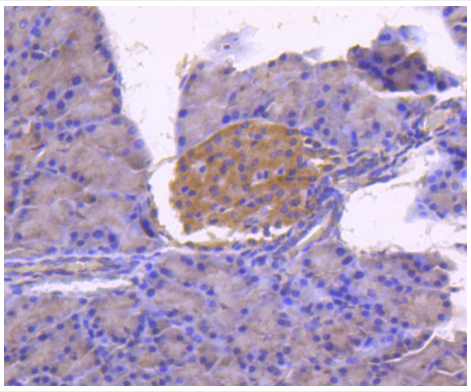
Western blot analysis of Calnexin on Hela cells lysates using anti-Calnexin antibody at 1/1,000 dilution.



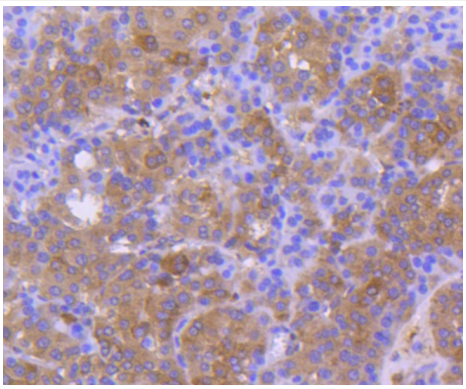
Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-Calnexin antibody. Counter stained with hematoxylin.



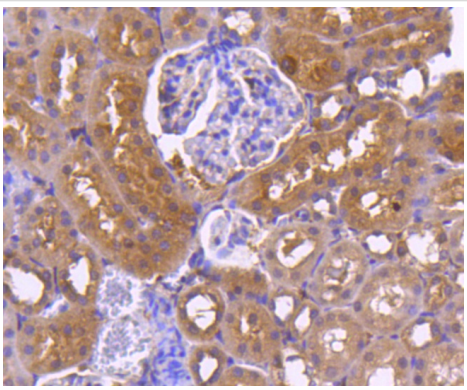
Immunohistochemical analysis of paraffin-embedded rat heart tissue using anti-Calnexin antibody. Counter stained with hematoxylin.



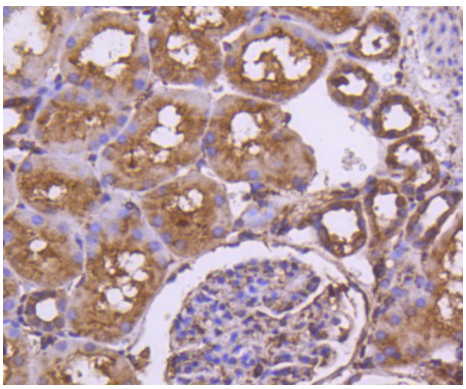
Immunohistochemical analysis of paraffin-embedded rat pancreas tissue using anti-Calnexin antibody. Counter stained with hematoxylin.



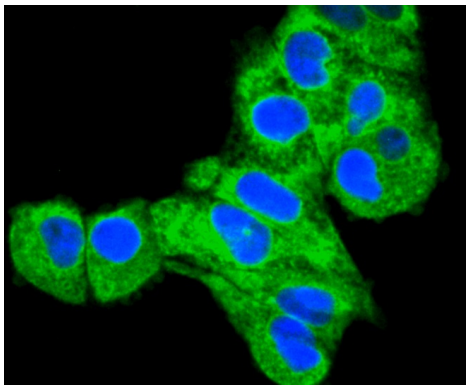
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-Calnexin antibody. Counter stained with hematoxylin.



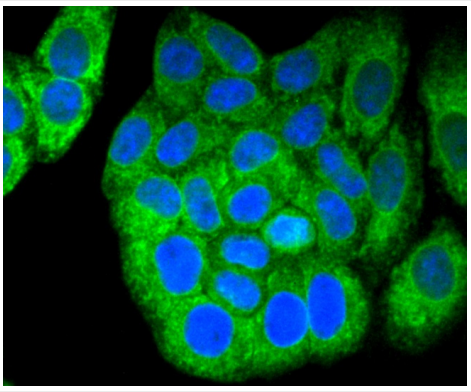
Immunohistochemical analysis of paraffin-embedded rat kidney tissue using anti-Calnexin antibody. Counter stained with hematoxylin.



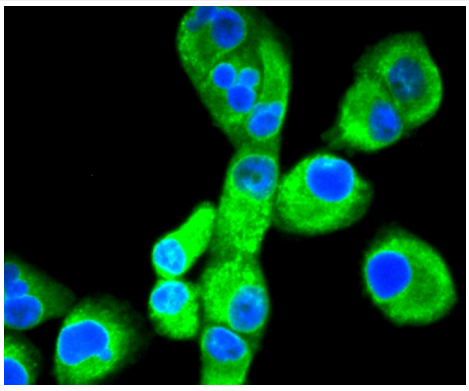
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Calnexin antibody. Counter stained with hematoxylin.



ICC staining Calnexin in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Calnexin in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Calnexin in PANC-1 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Calnexin and Calregulin (also called calreticulin) are calcium-binding proteins that are localized to the endoplasmic reticulum, Calnexin to the membrane and Calregulin to the lumen. Calnexin is a type I membrane protein that interacts with newly synthesized glycoproteins in the endoplasmic reticulum. It may play a role in assisting with protein assembly and in retaining unassembled protein subunits in the endoplasmic reticulum. Calregulin has both low- and high-affinity calcium-binding sites. Neither Calnexin nor Calregulin contains the calcium-binding E-F hand motif found in calmodulins. Calnexin and Calregulin are important for the maturation of glycoproteins in the endoplasmic reticulum and appear to bind many of the same proteins.

References

Note: This product is for in vitro research use only