

Mouse Calnexin Monoclonal Antibody | anti-CANX antibody

Calnexin (Endoplasmic Reticulum Marker)

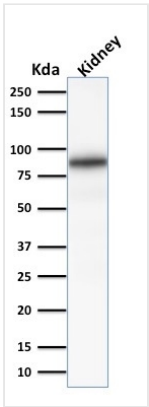
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23894	Mouse	Human.Does not react with rat. Others not known.	ELISA, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

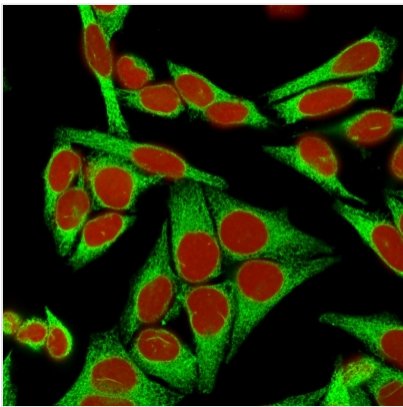
Calnexin; Monoclonal Antibody; Calnexin (Endoplasmic Reticulum Marker); CANX; CNX; IP90; Major histocompatibility complex class I antigen-binding protein p88; P90; anti-CANX antibody

PRODUCT SPECIFICATIONS

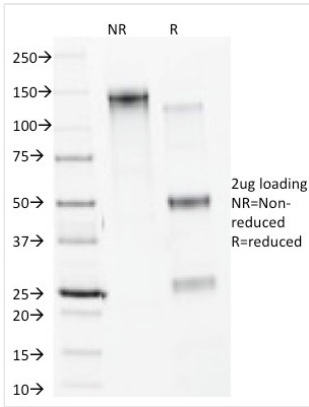
Host	Mouse
Reactivity	Human. Does not react with rat. Others not known.
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	CANX/1541
Specificity	It recognizes a protein of 90kDa, which is identified as Calnexin. Secretory and transmembrane proteins are synthesized on polysomes and translocate into the endoplasmic reticulum (ER) where they are often modified by the formation of disulfide bonds, amino-linked glycosylation and folding. To help proteins fold properly, the ER contains a pool of molecular chaperones including calnexin. It 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.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	592
Applicable Applications for anti-CANX antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	ELISA: Use Ab at 2-4ug/ml for coating. Order Ab without BSA. WB: 1-2ug/ml IHC-F: 1-2ug/ml for 30 minutes at RT; Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes.
Immunogen	Recombinant N-terminal fragment of human Calnexin protein (around aa 1-300)
Cellular Localization	Cytoplasmic
Hu-chromosome Location	5q35.3
Positive Control	HeLa, MCF-7 or U2OS cells. Kidney or small intestine.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



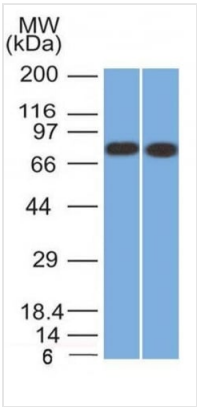
WB (Western Blot)
Western Blot Analysis of Human Kidney lysate using Calnexin Mouse Monoclonal Antibody (CANX/1541).



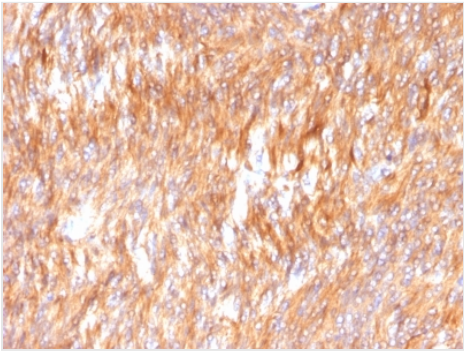
IF (Immunofluorescence)
Confocal immunofluorescence image of HeLa cells using Purified Calnexin Mouse Monoclonal Antibody (CANX/1541), labeled in Green. Reddot is used to label the nuclei Red.



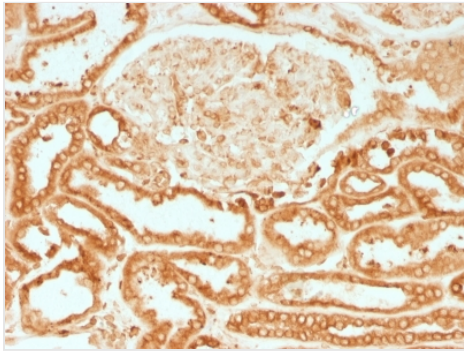
SDS-PAGE
SDS-PAGE Analysis Purified Calnexin Mouse Monoclonal Antibody (CANX/1541). Confirmation of Integrity and Purity of Antibody.



WB (Western Blot)
Western Blot Analysis of HeLa and MCF-7 Cell lysate using Calnexin Mouse Monoclonal Antibody (CANX/1541).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Small Intestine Carcinoma stained with Calnexin Mouse Monoclonal Antibody (CANX/1541).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with Calnexin Mouse Monoclonal Antibody (CANX/1541). Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

References	Williams, D.B. 1995. Calnexin: a molecular chaperone with a taste for carbohydrate. Biochem. Cell Biol. 73: 123-132.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	66933005
NCBI GeneID	821

NCBI Accession #	NP_001019820.1
NCBI GenBank Nucleotide #	NM_001024649.1
UniProt Accession #	P27824 ; B2R5V8 ; B4DGP8 ; B4E2T8 ; D3DWQ3 ; D6R9K3
Molecular Weight	90kDa
NCBI Official Full Name	calnexin isoform d
NCBI Official Synonym Full Names	calnexin
NCBI Official Symbol	CANX
NCBI Official Synonym Symbols	CNX; P90; IP90
NCBI Protein Information	calnexin
UniProt Protein Name	Calnexin
UniProt Gene Name	CANX

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/calnexin-antibody-clone-canx-1541-western-blot-immunohistochemistry-elisa/23894>