9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

36-3411: Anti-Calnexin (Endoplasmic Reticulum Marker) Monoclonal Antibody(Clone: CANX/1541)

Clonality :	Monoclonal
Clone Name :	CANX/1541
Application :	ELISA,WB,IHC
Reactivity :	Human
Gene :	CANX
Gene ID :	821
Uniprot ID :	P27824
Alternative Name :	Calnexin; CANX; CNX; IP90; Major histocompatibility complex class I antigen-binding protein p88; P90
Isotype :	Mouse IgG2b, kappa
Immunogen Information :	Recombinant N-terminal fragment of human Calnexin protein (around aa 1-300) (exact sequence is proprietary)

Description

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.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/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.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

ELISA (Use Ab at 2-4ug/ml for coating) (Order Ab without BSA); Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

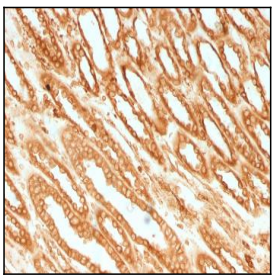


Fig. 1: Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with Calnexin Mouse Monoclonal Antibody (CANX/1541).

For Research Use Only. Not for use in diagnostic/therapeutics procedures.

9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

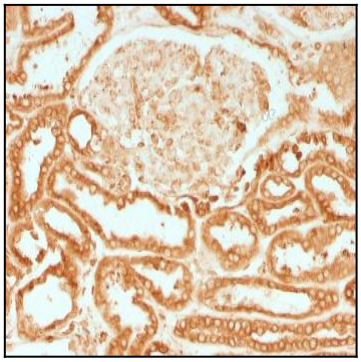


Fig. 2: Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with Calnexin Mouse Monoclonal Antibody (CANX/1541).

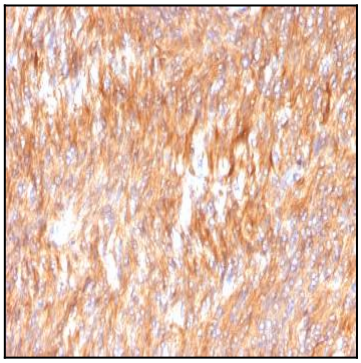


Fig. 3: Formalin-fixed, paraffin-embedded human Small Intestinal Carcinoma stained with Calnexin Mouse Monoclonal Antibody (CANX/1541).

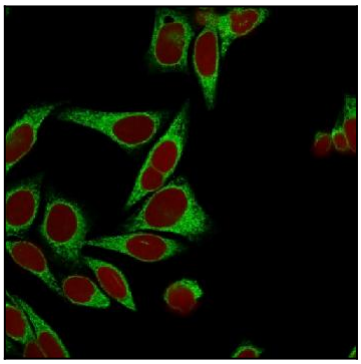


Fig. 4: Confocal immunofluorescence image of HeLa cells using Calnexin Mouse Monoclonal Antibody (CANX/1541), labeled in Green. Reddot is used to label the nuclei Red.

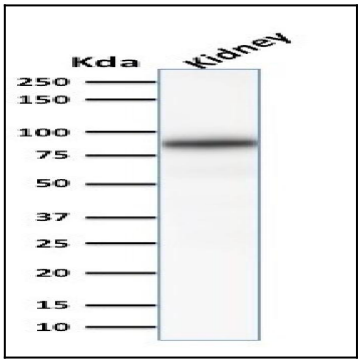


Fig. 5: Western Blot Analysis of Human Kidney lysate using Calnexin Mouse Monoclonal Antibody (CANX/1541).

For Research Use Only. Not for use in diagnostic/therapeutics procedures.

9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

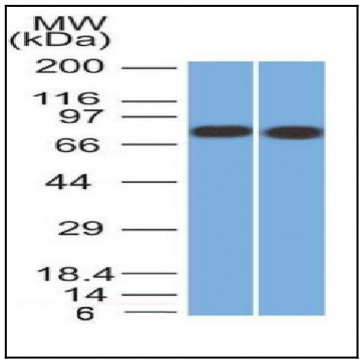


Fig. 6: Western Blot Analysis of HeLa and MCF-7 cell lysate using Calnexin Mouse Monoclonal Antibody (CANX/1541).

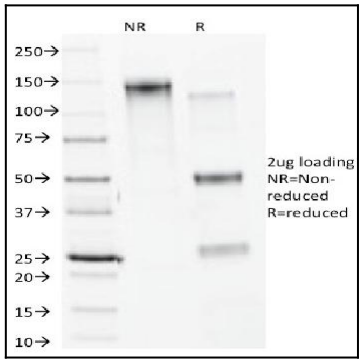


Fig. 7: SDS-PAGE Analysis Purified Calnexin Mouse Monoclonal Antibody (CANX/1541). Confirmation of Integrity and Purity of Antibody.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.