SICGEN ANTIBODIES

Product Data Sheet

Catalogue No.	Qty:
AB0037-200	400 µg
AB0037-500	1 mg

Anti-CANX

Source: Goat

General description: Goat polyclonal to CANX (Calnexin) - endoplasmic reticulum (ER) membrane marker. CANX is a member of the Calnexin family of molecular chaperones. This protein is a calcium-binding, 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.

Alternative names: Calnexin, CALX, CNX, FLJ26570, histocompatibility complex class I antigen binding protein p88, IP90, major histocompatibility complex class I antigen-binding protein p88, MS952, P90 antibody.

Form: Polyclonal antibody supplied as a 200 or 500 µl (2 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

Immunogen: Purified recombinant peptide within residues 550 aa to the C-terminus of human CANX produced in E. coli.

Specificity: Detects a band of 90 kDa by Western blot in the following human (293A, primary fibroblasts, HaCat, HeLa, HMEC-1, Jurkat, MNT1, U-118, rat (TR-iBRB), mouse (3T3, AtT-20, Hepa, Raw264.7), monkey (COS-7) and canine (D17) whole cell lysates.

Reactivity: Reacts with Human, Rat, Mouse, Monkey and Canine proteins

Sample	WB	IHC (F)	IHC (P)	IF	ELISA
Human	+++	+++	+++	+++	ND
Rat	+++	+++	+++	+++	ND
Mouse	+++	+++	+++	+++	ND
Canine	+++	+++	+++	+++	ND
Monkey	+++	+++	+++	+++	ND

Usage:

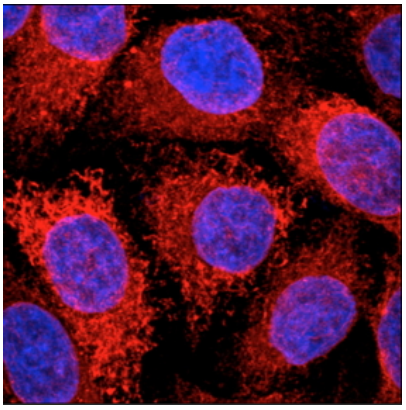
WB:	1:500-1:5,000
IHC (F):	1:200-1:1,000
IHC (P):	1:200-1:1,000
IF:	1:50-1:500

Storage: For continuous use, store at 2-8 C for one-two days. For extended storage, store in -20 C freezer. Working dilution samples should be discarded if not used within 12 hours.

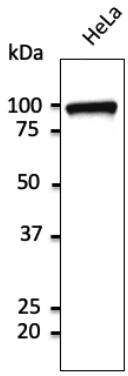
Special instructions: The antibody solution should be gently mixed before use. Avoid freeze/thaw cycles..

References:

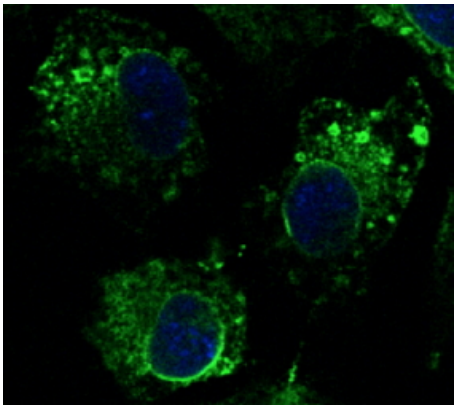
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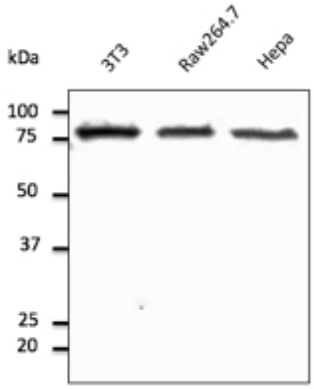
Immunofluorescence – anti-CANX Ab in HeLa cells at 1/250 dilution; cells were fixed with 4% of PFA;



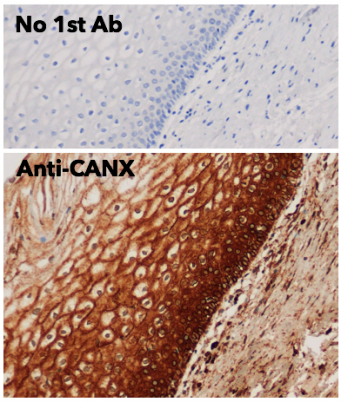
Anti-Calnexin - ER membrane marker Ab at 1/2,500 dilution; lysates at 50 µg per lane; Rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;



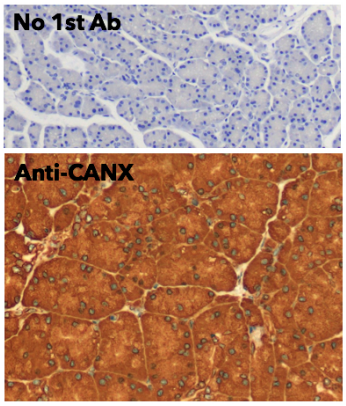
Immunofluorescence – anti-CANX Ab in Hepa1-6 cells at 1/100 dilution; cells were fixed with 4% of PFA;



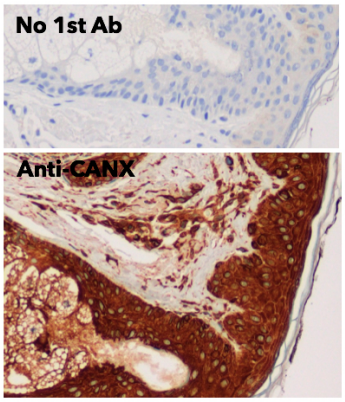
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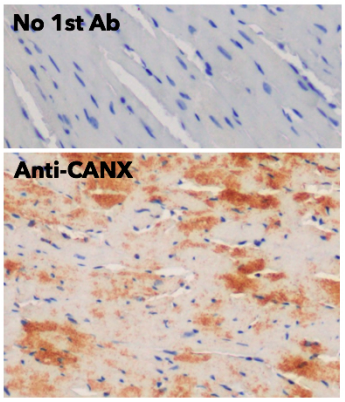
IHC of human cervix using CANX antibody and FFPE tissue after heat-induced antigen retrieval. Anti-CANX Ab at 1:500/DAB detection;



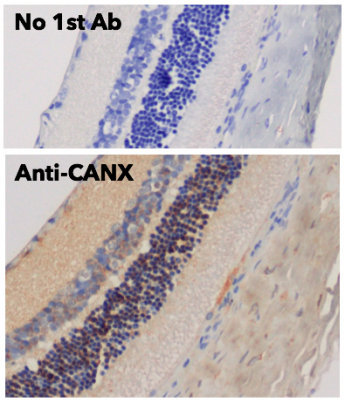
IHC of human pancreas using anti-CANX antibody and FFPE tissue after heat-induced antigen retrieval. Anti-CANX Ab at 1:500/DAB detection;



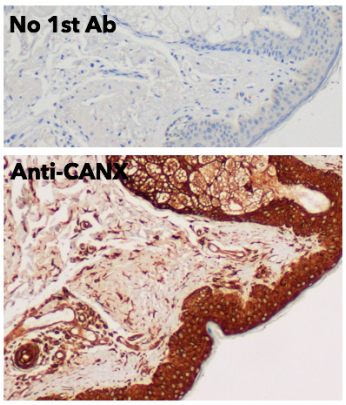
IHC of human skin using anti-CANX antibody and FFPE tissue after heat-induced antigen retrieval. Anti-CANX Ab at 1:500/DAB detection;



IHC of mouse myocardium using CANX antibody and FFPE tissue after heat-induced antigen retrieval. Anti-CANX Ab at 1:500/DAB detection;



IHC of mouse eye using anti-CANX antibody and FFPE tissue after heat-induced antigen retrieval. Anti-CANX Ab at 1:500/DAB detection;



IHC of human skin using anti-CANX antibody and FFPE tissue after heat-induced antigen retrieval. Anti-CANX Ab at 1:500/DAB detection;

For research use only, not for diagnostic use

SICGEN's Proprietary Immunogen Policy

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.