

CANX / Calnexin Antibody (C-Terminus)
Goat Polyclonal Antibody
Catalog # ALS17187

Specification

CANX / Calnexin Antibody (C-Terminus) - Product Information

Application	IHC-P, IF, WB
Primary Accession	P27824
Other Accession	821
Reactivity	Human, Mouse, Rat, Monkey, Dog
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Calculated MW	67568

CANX / Calnexin Antibody (C-Terminus) - Additional Information

Gene ID 821

Other Names

CANX, CNX, Calnexin, IP90, p90

Target/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.

Reconstitution & Storage

PBS, 20% glycerol, 0.05% sodium azide. Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

Precautions

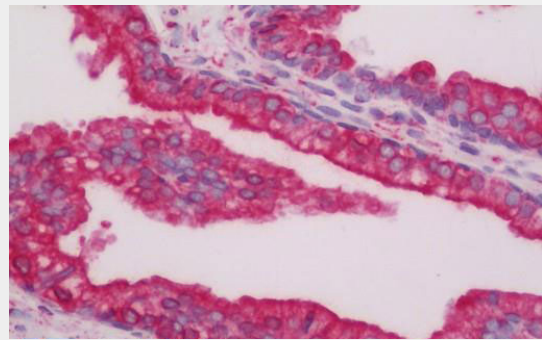
CANX / Calnexin Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

CANX / Calnexin Antibody (C-Terminus) - Protein Information

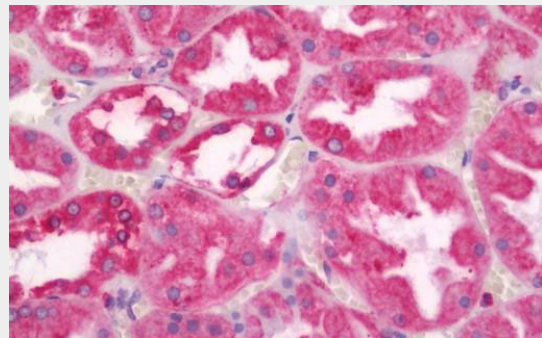
Name CANX

Function

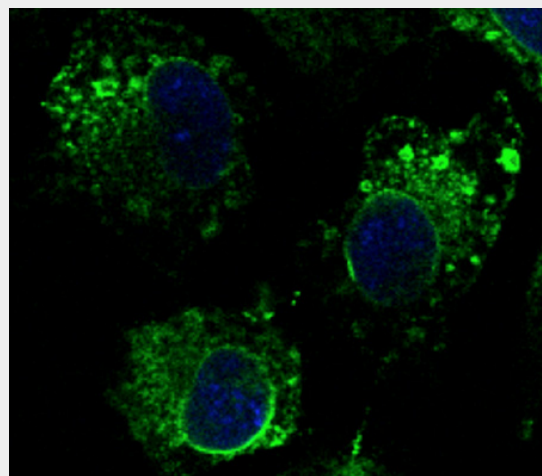
Calcium-binding protein that interacts with



Human Prostate: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunofluorescence - anti-CANX antibody in Hepa1-6 cells at 1:100 dilution.

newly synthesized glycoproteins in the endoplasmic reticulum. It may act in assisting protein assembly and/or in the retention within the ER of unassembled protein subunits. It seems to play a major role in the quality control apparatus of the ER by the retention of incorrectly folded proteins. Associated with partial T-cell antigen receptor complexes that escape the ER of immature thymocytes, it may function as a signaling complex regulating thymocyte maturation. Additionally it may play a role in receptor-mediated endocytosis at the synapse.

Cellular Location

Endoplasmic reticulum membrane;
Single-pass type I membrane protein.
Endoplasmic reticulum Melanosome
Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:12643545, PubMed:17081065).
The palmitoylated form preferentially localizes to the perinuclear rough ER (PubMed:22314232).

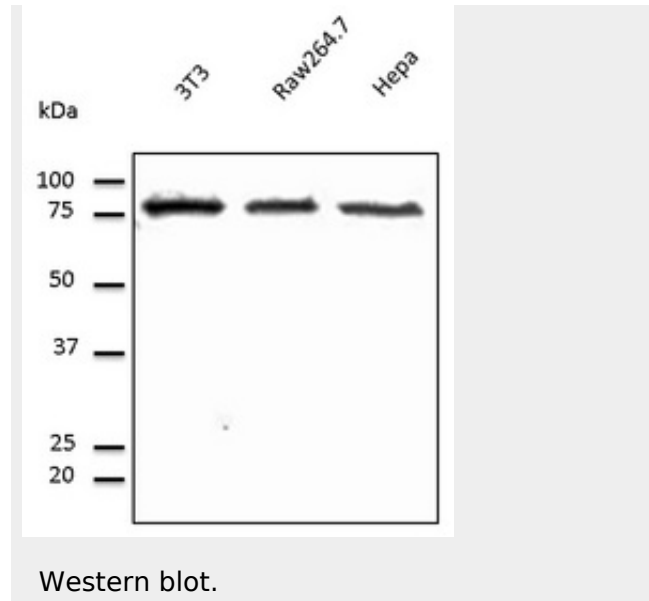
Volume

100 μ l

CANX / Calnexin Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



CANX / Calnexin Antibody (C-Terminus) - Background

Calcium-binding protein that interacts with newly synthesized glycoproteins in the endoplasmic reticulum. It may act in assisting protein assembly and/or in the retention within the ER of unassembled protein subunits. It seems to play a major role in the quality control apparatus of the ER by the retention of incorrectly folded proteins. Associated with partial T-cell antigen receptor complexes that escape the ER of immature thymocytes, it may function as a signaling complex regulating thymocyte maturation. Additionally it may play a role in receptor-mediated endocytosis at the synapse.

CANX / Calnexin Antibody (C-Terminus) - References

- David V., et al. J. Biol. Chem. 268:9585-9592(1993).
Tjoelker L.W., et al. Biochemistry 33:3229-3236(1994).
Honore B., et al. Electrophoresis 15:482-490(1994).
Hansen J.J., et al. Submitted (FEB-2000) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).