

Anti-CANX / Calnexin Antibody (aa543-592)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18010

Specification

Anti-CANX / Calnexin Antibody (aa543-592) - Product Information

Application	WB, IHC-P, IF, E
Primary Accession	P27824
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	67568

Anti-CANX / Calnexin Antibody (aa543-592) - Additional Information

Gene ID 821

Alias Symbol CANX
Other Names
CANX, CNX, Calnexin, IP90, p90

Target/Specificity

Calnexin (Ab-583) Antibody detects endogenous levels of total Calnexin protein.

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-CANX / Calnexin Antibody (aa543-592) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-CANX / Calnexin Antibody (aa543-592) - Protein Information

Name CANX

Function

Calcium-binding protein that interacts with newly synthesized monoglucosylated 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. Mitochondrion membrane {ECO:0000250|UniProtKB:P24643}; Single-pass type I membrane protein. Melanosome

membrane; Single-pass type I membrane protein. 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) Localizes to endoplasmic reticulum mitochondria-associated membrane (MAMs) that connect the endoplasmic reticulum and the mitochondria (By similarity). {ECO:0000250|UniProtKB:P24643, ECO:0000269|PubMed:12643545, ECO:0000269|PubMed:17081065, ECO:0000269|PubMed:22314232}

Anti-CANX / Calnexin Antibody (aa543-592) - 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](#)

Anti-CANX / Calnexin Antibody (aa543-592) - Images