

Phospho-Calnexin (Ser583) Antibody
Catalog # ABV11983**Specification**

Phospho-Calnexin (Ser583) Antibody - Product Information

Application	WB
Primary Accession	P27824
Reactivity	Human, Mouse, Rat
Host	Rabbit
Isotype	Rabbit IgG
Calculated MW	67568

Phospho-Calnexin (Ser583) Antibody - Additional Information**Gene ID** 821

Positive Control	WB: HepG2 cell lysate
Application & Usage	WB 1:500-1:2000; IHC 1:100-1:300; IF 1:200-1:1000; E 1:5000

Other Names

Calnexin, IP90, Major histocompatibility complex class I antigen-binding protein p88, p90

Target/Specificity

CANX

Antibody Form

Liquid

Appearance

Colorless liquid

Handling

The antibody solution should be gently mixed before use

Reconstitution & Storage

-20°C

Background Descriptions**Precautions**

Phospho-Calnexin (Ser583) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Phospho-Calnexin (Ser583) Antibody - 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.

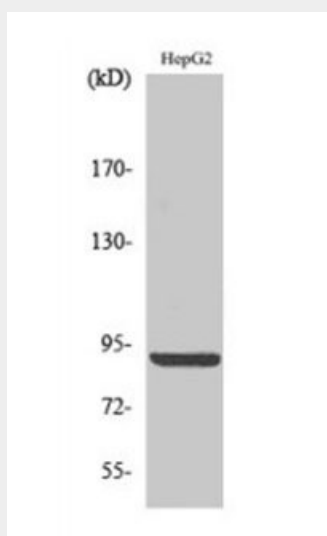
Cellular Location

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}

Phospho-Calnexin (Ser583) Antibody - 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](#)

Phospho-Calnexin (Ser583) Antibody - Images

WB (WB) analysis of HepG2 cells using Phospho-Calnexin (S583) Polyclonal Antibody