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Phospho-Calnexin (Ser583) Antibody

Catalog # ABV11983

Product Information

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

Additional Information

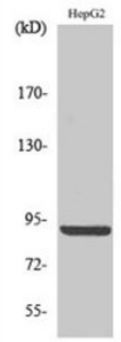
Gene ID	821
Positive Control	WB: HepG2 cell lysate
Application & Usage	WB 1:500-1:2000; IHC 1:100-1:300; IF 1:200-1:1000; E 1:5000
Other Names	Calnexin, IP90, Major histocompatibility complex class I antigen-binding protein p88, p90
Target/Specificity	CANX
Antibody Form	Liquid
Appearance	Colorless liquid
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.

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}

Images



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