

Calnexin protein

Catalog No :	YD0118
Reactivity :	Human
Applications :	WB;SDS-PAGE
Gene Name :	CANX
Protein Name :	Calnexin protein
Sequence :	Amino acid: 19-236, with his-MBP tag.
Human Gene Id :	821
Human Swiss Prot No :	P27824
Mouse Swiss Prot No :	P35564
Formulation :	Liquid in PBS
Source :	E.coli
Dilution :	WB 1:500-2000
Concentration :	SDS-PAGE >90%
Storage Stability :	-20 °C/6 month, -80 °C for long storage
Background :	function: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.,online information:Calnexin entry,similarity:Belongs to the calreticulin family.,subcellular location:Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,
Function :	protein folding, protein localization, protein secretion, protein transport, secretion by cell, establishment of protein localization, secretion,

**Subcellular
Location :**

Endoplasmic reticulum membrane ; Single-pass type I membrane protein .
Endoplasmic reticulum . Melanosome . 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) .

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