



Catalog: OM642046

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Anti-Calnexin antibody

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☐ 20ul ☐ 50ul ☐ 100 ul

Product profile

Product name	Anti-Calnexin antibody
Antibody Type	Primary Antibodies
Immunogen	Polypeptide

Key Feature

Clonality	polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Application	ELISA ICC/IF IHC WB WB:1:200-1:2000 IHC:1:200-1:1000 ICC/IF:1:100-1:500
Species Reactivity	Human Mouse Rat
Concentration	1mg/ml
Purification	Protein A

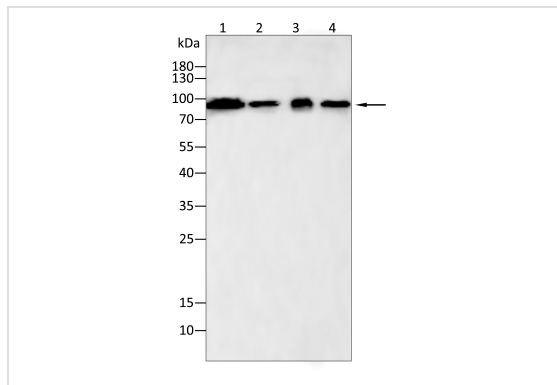
Target Information

Gene Symbol	CANX
Gene Synonyms	CALX CANX CNX P90 IP90
Gene Full Name	calnexin
Gene Summary	This gene encodes a member of the calnexin family of molecular chaperones. The encoded protein is a calcium-binding, endoplasmic reticulum (ER)-associated protein that interacts transiently with newly synthesized N-linked glycoproteins, facilitating protein folding and assembly. It may also play a central role in the quality control of protein folding by retaining incorrectly folded protein subunits within the ER for degradation. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jun 2018]
Molecular Weight(MW)	90 KDa

Source	Rabbit
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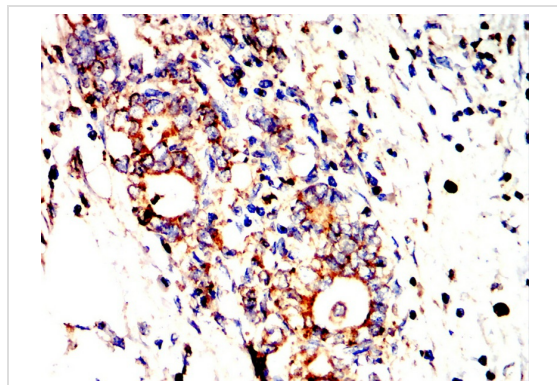
Cellular Localization	Endoplasmic reticulum membrane. Melanosome
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Application



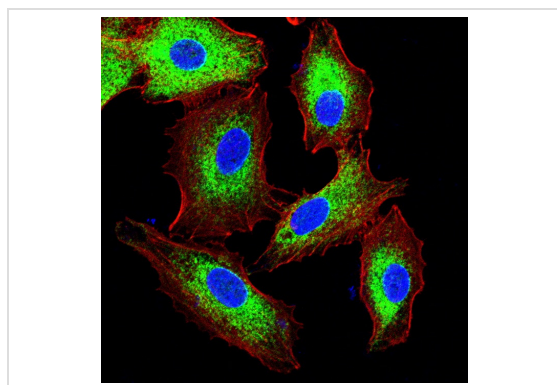
WB

Western blot analysis using Calnexin antibody against CACO2 (1), HEK293 (2), HUVEC (3), HepG2 (4) cell lysate. 12% SDS-PAGE gel. Sample loading: 20µg /lane. Transfer the proteins onto a PVDF membrane ([OM790003](#)), and block it with TBST ([OM750016](#)) plus skimmed milk powder for one hour. Dilute the primary antibody with the antibody diluent ([OM750012](#)) at a ratio of 1:1000, and incubate it overnight at 4°C. Wash the membrane three times with TBST ([OM750016](#)), 5 minutes each time. At room temperature, dilute the secondary antibody, Goat Anti-Rabbit IgG(H&L)-HRP ([OM643487](#)), at a ratio of 1:20000 and incubate for one hour. Wash the membrane three times with TBST ([OM750016](#)) again, 5 minutes each time. Use ECL ([OM625701](#)) for luminescence. staining time: 60S.



IHC

Immunohistochemical analysis of paraffin-embedded stomach cancer tissues using Calnexin antibody with DAB staining. Pre-treat the sections with heat-mediated antigen retrieval using sodium citrate buffer (pH 6.0) ([OM750020](#)) for 2 minutes. Wash the sections with ddH₂O and PBS ([OM750003](#)). Block the tissue with 10% non-immune goat serum ([OM760028](#)) at room temperature for 30 minutes. Incubate the tissue with the primary antibody diluted at a ratio of 1:1500 at 4°C overnight. At room temperature, dilute the secondary antibody, Goat Anti-Rabbit IgG(H&L)-HRP ([OM643487](#)), at a ratio of 1:200 and incubate for one hour. Use DAB ([OM760029](#)) as the chromogenic agent. Counterstain the tissue with hematoxylin, and mount the tissue sections with neutral gum.



ICC/IF

Immunofluorescence analysis of A549 cells using Calnexin antibody (green). Blue: DAPI fluorescent DNA dye. Red: Actin filaments have been labeled with Omnimabs® 594-Phalloidin. Cells are fixed in 4% paraformaldehyde at room temperature for 20 minutes. Then, they are permeabilized with a PBS ([OM750003](#)) solution containing 0.1% Triton X-100 ([OM750021](#)) at room temperature for 15 minutes. Subsequently, the cells are blocked with 10% non-immune goat serum ([OM760028](#)) at room temperature for 1 hour. The cells are incubated overnight at 4°C with the primary antibody diluted 1:100 in PBS. The secondary antibody, Omnimabs® 488 Goat Anti-Rabbit IgG(H&L) (Green, [OM643486](#)), is diluted at a ratio of 1:400 and incubated with the cells for 1 hour. Nuclear DNA is labeled with DAPI (Blue, [OM643160](#)). F-actin is stained with Omnimabs® 594-Phalloidin (Red, [OM750007](#)) diluted 1:100 for 30 minutes.

Application Notes	WB: 1:200-1:2000
	IHC: 1:200-1:1000
	ICC/IF: 1:100-1:500

Additional Information

Form	Liquid
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Storage Instructions

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term. Avoid freeze / thaw cycle.

Storage Buffer

Purified antibody in PBS with 0.05% sodium azide.

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt
