# Recombinant Calnexin (Endoplasmic Reticulum Marker) Antibody

Rabbit Monoclonal Antibody [Clone CANX/9147R]

| Catalog No | Format | Size |
|---|---|---|
| 821-RBM6-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 821-RBM6-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 821-RBM6-P1ABX | Purified Ab WITHOUT BSA or Azide at 1.0mg/ml | 100 ug |

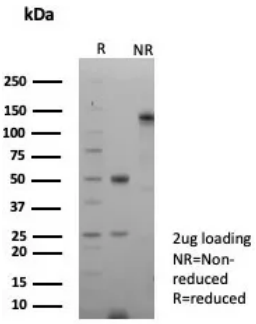
| Applications | Tested Dillution | Note |
|---|---|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |
| Western Blot (WB) | 2-4ug/ml | |

## Product Details

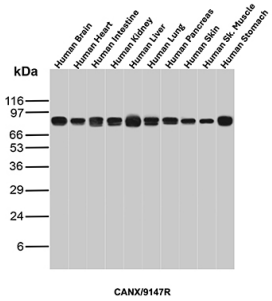
| | |
|---|---|
| **Clone** | CANX/9147R |
| **Immunogen** | Recombinant full-length human Calnexin protein |
| **Host** | Rabbit |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG / Kappa |
| **Mol. Weight of Antigen** | 67.57kDa |
| **Cellular Localization** | Endoplasmic reticulum membrane, Melanosome membrane, Mitochondrion membrane |
| **Species Reactivity** | Human |
| **Positive Control** | HeLa\|MCF-7 or U2OS cells. Kidney or small intestine. Brain, Heart, Intestine, Kidney, Liver, Lung, Pancreas, Skin, Skeletal muscle and Stomach |

**Optimal dilution for a specific application should be determined.*

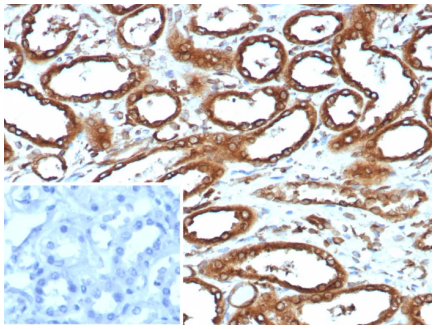
## Product Images for Recombinant Calnexin (Endoplasmic Reticulum Marker) Antibody




SDS-PAGE Analysis of Purified Calnexin Recombinant Rabbit Monoclonal Antibody (CANX/9147R). Confirmation of Integrity and Purity of Antibody.




Western blot analysis of Brain, Heart, Intestine, Kidney, Liver, Lung, Pancreas, Skin, Skeletal muscle and Stomach tissue lysates of Human using Calnexin Rabbit Recombinant Monoclonal Antibody (CANX/9147R).



Formalin-fixed, paraffin-embedded human renal cell carcinoma stained with Calnexin Recombinant Rabbit Monoclonal Antibody (CANX/9147R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

## Specificity & Comments

It recognizes a protein of 90kDa, which is identified as Calnexin. Secretory and transmembrane proteins are synthesized on polysomes and translocate into the endoplasmic reticulum (ER) where they are often modified by the formation of disulfide bonds, amino-linked glycosylation and folding. To help proteins fold properly, the ER contains a pool of molecular chaperones including calnexin. It 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.

## Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

## Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.