

CANX

Reactivity:Human Mouse Rat

Tested applications:WB IHC

Recommended Dilution:WB 1:200 - 1:2000 IHC 1:50 - 1:200

Calculated MW:90kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human CANX

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

aj

Synonym:

Calnexin; CNX; FLJ26570; IP90; P90;

Catalog #:A0803

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:821

Isotype:IgG

Swiss Prot:P27824

Purity:Affinity purification

For research use only.

Background:

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. Calnexin was first identified as being involved in the assembly of murine class I histocompatibility molecules (1,2). Calnexin is a calcium-binding protein embedded in the ER membrane that retains the newly synthesized glycoproteins inside the ER to ensure proper folding and quality control (3-5). The specificity of calnexin for a subset of glycoproteins is defined by a lectin site, which binds an early oligosaccharide intermediate on the folding glycoprotein (5).

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