

Calnexin Polyclonal Antibody

CATALOG #:	3811-100
AMOUNT:	100 µg
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide surrounding amino acid 580 of human Calnexin (ID# BV-608).
SPECIES REACTIVITY:	human, mouse, rat, dog

FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND:

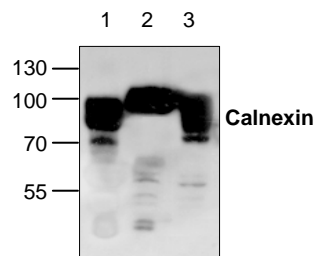
Calnexin (CNX) is a 90kDa integral protein of the endoplasmic reticulum (ER). Calnexin belongs among chaperones, which are characterized by their main function of assisting protein folding and quality control, ensuring that only properly folded and assembled proteins proceed further along the secretory pathway. The function of Calnexin is to retain unfolded or unassembled N-linked glycoproteins in the endoplasmic reticulum.

SPECIFICITY:

The antibody recognizes ~90-100 kDa band, corresponding to glycosylated Calnexin in samples from human, mouse, rat, and dog origins. Reactivity to other species has not been tested.

APPLICATION:

The antibody can be used in Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide (Cat.# 3811BP-50) is



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Western blot analysis of Calnexin expression in lysates from rat kidney (Lane 1), 3T3 cells (Lane 2), and Jurkat cells (Lane 3).

available separately.

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