

Anti-Calnexin (NT) Polyclonal Antibody

ORDERING INFORMATION

Catalog No.: 56414

Size: 100ul whole antiserum

BACKGROUND

Calnexin is a ~90 kDa integral protein of the endoplasmic reticulum; it is also referred to as IP90, p88 and p90. It consists of a 50 kDa N-terminal calcium-binding luminal domain, a single transmembrane helix, and a short acidic cytoplasmic tail. Its positively charged cytosolic residues ensure its retention in the endoplasmic reticulum. Calnexin together with calreticulin play a key role in glycoprotein folding by interacting with folding intermediates via their monoglycosylated glycans. Calnexin has also been shown to associate with the major histocompatibility complex class I heavy chains, partial complexes of the T cell receptor, and B cell surface immunoglobulin.

SPECIFICATION SUMMARY

Host Species: Rabbit

Antigen: A 19 amino acid synthetic peptide corresponding to canine calnexin conjugated to KLH.

Antibody Class: Polyclonal

Preservatives: None.

SPECIFICITY

This antibody recognizes human, mouse, rat, bovine, chicken, dog, guinea pig, hamster, pig, monkey, rabbit, and sheep calnexin.

APPLICATIONS

Immunoblotting: use at 1:5,000-1:10,000 dilution. A band of ~90 kDa is detected. These are recommended concentrations. User should determine optimal concentrations for their application.
Positive control: HeLa cell lysate.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid repeated freezing and thawing.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures