

## Anti-Calnexin (NT) Polyclonal Antibody

### **ORDERING INFORMATION**

**Catalog No.:** 56414

**Size:** 100µl 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.