

## Protein Disulfide Isomerase (PDI) Polyclonal Antibody

### ORDERING INFORMATION

**Catalog no.:** 11081

**Size:** 100ul whole antiserum

### BACKGROUND

A microsomal enzyme known as Protein Disulfide Isomerase (PDI) is involved in the formation of disulfide bonds in many extracellular proteins through its oxidase and isomerase activities. It is also involved in the reduction of disulfide bonds in proteins. PDI is located primarily in the endoplasmic reticulum (ER) but may also be found in the cytosol. PDI can reside in the ER due to the highly conserved KDEL sequence at its carboxy terminus which serves as an ER-retention signal.

### SPECIFICATION SUMMARY

**Antigen:** Synthetic peptide derived from rat PDI conjugated to KLH.

**Host Species:** Rabbit

**Subclass:** IgG

**Stabilizers:** None

**Preservatives:** None. Available on request.

### SPECIFICITY

This antibody recognizes human, monkey, mouse, rat, hamster, bovine, ovine, porcine, canine, guinea pig, and *Xenopus* PDI.

### APPLICATIONS

*Western blot:* Use at 1:4,000 dilution. A band of approx. 58 kD is detected.

*Immunocytochemistry/Immunohistochemistry:* Use at 2-5 ug/ml.

*Immunoprecipitation:* Use at 10 ug/ml.

### DILUTION INSTRUCTIONS

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

### STORAGE AND STABILITY

Store frozen product at or below -20°C.

For optimal storage, aliquot to smaller portions and store at -20°C to -70°C.

Avoid repeated freeze/thaw cycles.

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