

## Recombinant PDI Monoclonal Antibody

catalog number: AN300824L

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

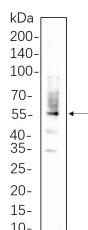
|              |   |
|--------------|---|
| Reactivity   | Human;Mouse;Rat   |
| Immunogen    | Recombinant Human PDI protein                                   |
| Host         | Rabbit  |
| Isotype      | IgG,κ   |
| Clone        | B767  |
| Purification | Protein A   |
| Buffer       | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant. |

### Applications

### Recommended Dilution

|       |                |
|-------|----------------|
| IHC   | 1:200-1:1000   |
| WB    | 1:2000-1:10000 |
| IF    | 1:200-1:1000   |
| ELISA | 1:5000-1:20000 |

### Data



Western Blot with Recombinant PDI Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: Hela whole cell lysate.

**Observed-MW:57 kDa**

**Calculated-MW:57 kDa**

### Preparation & Storage

**Storage** Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

**Shipping** Ice bag

### Background

This gene encodes the beta subunit of prolyl 4-hydroxylase, a highly abundant multifunctional enzyme that belongs to the protein disulfide isomerase family. When present as a tetramer consisting of two alpha and two beta subunits, this enzyme is involved in hydroxylation of prolyl residues in proprocollagen. This enzyme is also a disulfide isomerase containing two thioredoxin domains that catalyze the formation, breakage and rearrangement of disulfide bonds. Other known functions include its ability to act as a chaperone that inhibits aggregation of misfolded proteins in a concentration-dependent manner, its ability to bind thyroid hormone, its role in both the influx and efflux of S-nitrosothiol-bound nitric oxide, and its function as a subunit of the microsomal triglyceride transfer protein complex.

### For Research Use Only

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Rev. V1.2