

## PDI polyclonal antibody

Catalog: BS91043

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Oxidoreductase-protein disulfide isomerase (PDI) is a homodimer consisting of subunits that catalyzes thiol-disulfide exchange, mediates folding of newly synthesized proteins and functions as a molecular chaperone. PDI localizes to the lumen of the endoplasmic reticulum (ER), where in conjunction with folding-helper proteins, such as immunoglobulin heavy chain binding protein (BiP), mediates tertiary and quaternary protein-processing. Cell surface PDI induces sulfhydryl-mediated conformational changes in integrin-mediated adhesion receptor-ligand interactions, thereby regulating integrin responses and cell adhesion. Additionally, PDI functions as a subunit of two more complex enzyme systems: the prolyl-4-hydroxylase and the triacylglycerol transfer proteins.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

58 kDa

### Swiss-Prot:

P07237(Human) Q13087(Human) D3Z6P0(Mouse)  
Unigene:65154(Rat)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:1,000-1:2,000

FC:1:50-1:100

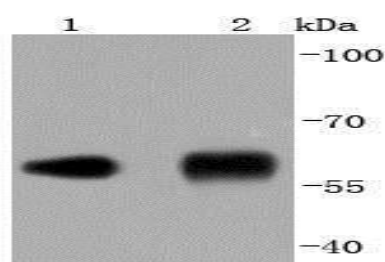
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

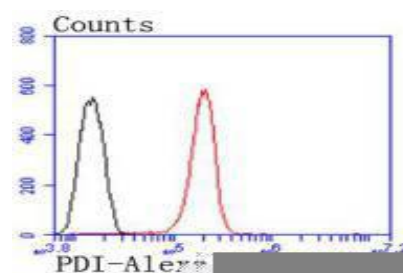
### Specificity:

PDI polyclonal antibody detects endogenous levels of PDI protein.

### DATA:



Western blot analysis of PDI on different lysates using anti-PDI antibody at 1/1,000 dilution. Positive control: Lane 1: NIH/3T3 Lane 2: Human liver



Flow cytometric analysis of HeLa cells with PDI antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody

### Note:

For research use only, not for use in diagnostic procedure.

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