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PDIA3

Reactivity: Human

Tested applications:WB IHC FC

Recommended Dilution:WB 1:500 - 1:1000 IHC 1:50 - 1:100 FC 1:20 - 1:50

Calculated MW:57kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human PDIA3

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

bj

Synonym:

PDIA3;ER60;ERp57;ERp60;ERp61;GRP57;GRP58;HsT17083;P58;PI-PLC

Catalog #:A0117

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:2923

Isotype: IgG

Swiss Prot:P30101

Purity: Affinity purification

For research use only.

Background:

Secretory proteins translocate into the endoplasmic reticulum (ER) after their synthesis where they are post-translationally modified and properly folded. To reach their native conformation, many secretory proteins require the formation of intra- or inter-molecular disulfide bonds (1). This process is called oxidative protein folding. Disulfide isomerase (PDI) has two thioredoxin homology domains and catalyzes the formation and isomerization of these disulfide bonds (2). Other ER resident proteins that possess the thioredoxin homology domains, including endoplasmic reticulum stress protein 57 (PDIA3), constitute the PDI family (2). PDIA3 interacts with calnexin and calreticulin (3) and is suggested to play a role in the isomerization of disulfide bonds on certain glycoproteins (3).

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