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# Product datasheet for TA326918

## ERp57 (PDIA3) Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | ICC/IF, IHC, WB |
| **Recommended Dilution:** | WB 1:500 - 1:2000 |
| **Reactivity:** | Human, Mouse, Rat |
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Immunogen:** | Recombinant protein of human PDIA3 |
| **Formulation:** | Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3 |
| **Concentration:** | lot specific |
| **Purification:** | Affinity purification |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store at -20°C as received. |
| **Stability:** | Stable for 12 months from date of receipt. |
| **Predicted Protein Size:** | 57 kDa |
| **Gene Name:** | protein disulfide isomerase family A member 3 |
| **Database Link:** | NP_005304<br>Entrez Gene 14827 MouseEntrez Gene 29468 RatEntrez Gene 2923 Human<br>P30101 |

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**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. 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. Other ER resident proteins that possess the thioredoxin homology domains, including endoplasmic reticulum stress protein 57 (ERp57), constitute the PDI family. ERp57 interacts with calnexin and calreticulin and is suggested to play a role in the isomerization of disulfide bonds on certain glycoproteins.

**Synonyms:** ER60; ERp57; ERp60; ERp61; GRP57; GRP58; HEL-S-93n; HEL-S-269; HsT17083; P58; PI-PLC

**Protein Families:** Druggable Genome

**Protein Pathways:** Antigen processing and presentation