

## Product datasheet for **TA326918S**

### ERp57 (PDIA3) Rabbit Polyclonal Antibody

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Applications:           | ELISA, ICC/IF, IHC, WB  |
| Recommended Dilution:   | WB, 1:500 - 1:2000<br>IHC-P, 1:50 - 1:100<br>IF/ICC, 1:50 - 1:100<br>ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |
| Reactivity:             | Human, Mouse, Rat   |
| Host:                   | Rabbit  |
| Isotype:                | IgG   |
| Clonality:              | Polyclonal  |
| 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. Avoid freeze / thaw cycles.   |
| Stability:              | Stable for 12 months from date of receipt.  |
| Predicted Protein Size: | 54kDa   |
| Gene Name:              | protein disulfide isomerase family A member 3   |
| Database Link:          | <a href="#">NP_005304</a><br><a href="#">Entrez Gene 14827 Mouse</a> <a href="#">Entrez Gene 29468 Rat</a> <a href="#">Entrez Gene 2923 Human</a><br><a href="#">P30101</a>                             |



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|--------------------------|---|
| <b>Background:</b>       | This gene encodes a protein of the endoplasmic reticulum that interacts with lectin chaperones calreticulin and calnexin to modulate folding of newly synthesized glycoproteins. The protein was once thought to be a phospholipase; however, it has been demonstrated that the protein actually has protein disulfide isomerase activity. It is thought that complexes of lectins and this protein mediate protein folding by promoting formation of disulfide bonds in their glycoprotein substrates. This protein also functions as a molecular chaperone that prevents the formation of protein aggregates. |
| <b>Synonyms:</b>         | ER60; ERp57; ERp60; ERp61; GRP57; GRP58; HEL-S-93n; HEL-S-269; HsT17083; P58; PI-PLC  |
| <b>Protein Families:</b> | Druggable Genome  |
| <b>Protein Pathways:</b> | Antigen processing and presentation   |