



Human PDIA3 blocking peptide (CDBP2234)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Product Overview | Blocking/Immunizing peptide for anti-PDIA3/ERp57/GRP58 antibody |
| Antigen Description | 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. [provided by RefSeq, Jul 2008] |
| Species | Human |
| Conjugate | Unconjugated |
| Applications | Apuri, BL, ELISA |
| Format | Lyophilized powder |
| Size | 100 µg |
| Preservative | None |
| Storage | Shipped at ambient temperature, store at -20°C. |

GENE INFORMATION

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| Gene Name | PDIA3 protein disulfide isomerase family A, member 3 [Homo sapiens (human)] |
| Official Symbol | PDIA3 |
| Synonyms | PDIA3; protein disulfide isomerase family A, member 3; P58; ER60; ERp57; ERp60; ERp61; GRP57; GRP58; PI-PLC; HsT17083; HEL-S-269; HEL-S-93n; protein disulfide-isomerase A3; |

ER protein 57; ER protein 60; phospholipase C-alpha; 58 kDa microsomal protein; disulfide isomerase ER-60; endoplasmic reticulum P58; 58 kDa glucose-regulated protein; glucose regulated protein, 58kDa; epididymis secretory protein Li 269; protein disulfide isomerase-associated 3; endoplasmic reticulum resident protein 57; endoplasmic reticulum resident protein 60; epididymis secretory sperm binding protein Li 93n;

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| Entrez Gene ID | 2923 |
| mRNA Refseq | NM_005313.4 |
| Protein Refseq | NP_005304.3 |
| UniProt ID | P30101 |
| Chromosome Location | 15q15 |
| Pathway | Adaptive Immune System, organism-specific biosystem; Antigen Presentation: Folding, assembly and peptide loading of class I MHC, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Antigen processing-Cross presentation, organism-specific biosystem; Asparagine N-linked glycosylation, organism-specific biosystem; Calnexin/calreticulin cycle, organism-specific biosystem; Class I MHC mediated antigen |
| Function | cysteine-type endopeptidase activity; phospholipase C activity; poly(A) RNA binding; protein binding; protein disulfide isomerase activity; protein disulfide oxidoreductase activity; |