

ERP27 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17528b**Specification**

ERP27 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q96DN0](#)**ERP27 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 121506**Other Names**

Endoplasmic reticulum resident protein 27, ER protein 27, ERp27, ERP27, C12orf46

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ERP27 Antibody (C-term) Blocking Peptide - Protein Information**Name** ERP27**Synonyms** C12orf46**Function**

Specifically binds unfolded proteins and may recruit protein disulfide isomerase PDIA3 to unfolded substrates (PubMed: [16940051](http://www.uniprot.org/citations/16940051), PubMed: [23192347](http://www.uniprot.org/citations/23192347)). Binds protein substrates via a hydrophobic pocket in the C-terminal domain (PubMed: [16940051](http://www.uniprot.org/citations/16940051), PubMed: [23192347](http://www.uniprot.org/citations/23192347)). May play a role in the unfolded stress response (PubMed: [23192347](http://www.uniprot.org/citations/23192347)).

Cellular Location

Endoplasmic reticulum lumen

ERP27 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

ERP27 Antibody (C-term) Blocking Peptide - Images

ERP27 Antibody (C-term) Blocking Peptide - Background

ERP27 is a noncatalytic member of the protein disulfideisomerase (PDI; see MIM 608012) family of endoplasmic reticulum(ER) proteins (Alanen et al., 2006 [PubMed 16940051]).[supplied byOMIM].

ERP27 Antibody (C-term) Blocking Peptide - References

Lamesch, P., et al. Genomics 89(3):307-315(2007)Alanen, H.I., et al. J. Biol. Chem. 281(44):33727-33738(2006)Lim, J., et al. Cell 125(4):801-814(2006)Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)