

ERP29 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP2902a**Specification**

ERP29 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P30040](#)**ERP29 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 10961**Other Names**

Endoplasmic reticulum resident protein 29, ERp29, Endoplasmic reticulum resident protein 28, ERp28, Endoplasmic reticulum resident protein 31, ERp31, ERP29, C12orf8, ERP28

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2902a](/products/AP2902a) was selected from the N-term region of human ERP29. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

ERP29 Antibody (N-term) Blocking Peptide - Protein Information**Name** ERP29**Synonyms** C12orf8, ERP28**Function**

Does not seem to be a disulfide isomerase. Plays an important role in the processing of secretory proteins within the endoplasmic reticulum (ER), possibly by participating in the folding of proteins in the ER.

Cellular Location

Endoplasmic reticulum lumen. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

Tissue Location

Ubiquitous. Mostly expressed in secretory tissues.

ERP29 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ERP29 Antibody (N-term) Blocking Peptide - Images

ERP29 Antibody (N-term) Blocking Peptide - Background

ERP29 shows sequence similarity to the protein disulfide isomerase family. However, it lacks the thioredoxin motif characteristic of this family, suggesting that this protein does not function as a disulfide isomerase. The protein dimerizes and is thought to play a role in the processing of secretory proteins within the ER.

ERP29 Antibody (N-term) Blocking Peptide - References

Bambang, I.F., et.al., Exp. Cell Res. 315 (11), 1964-1974 (2009)