

DERL2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP8707b**Specification**

DERL2 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9GZP9](#)**DERL2 Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 51009

Other Names

Derlin-2, Degradation in endoplasmic reticulum protein 2, DERtrin-2, Der1-like protein 2, F-LAN-1, F-LANa, DERL2, DER2, FLANA

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8707b](/products/AP8707b) was selected from the C-term region of human DERL2. 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.

DERL2 Antibody (C-term) Blocking Peptide - Protein InformationName DERL2 ([HGNC:17943](#))**Function**

Functional component of endoplasmic reticulum-associated degradation (ERAD) for misfolded luminal glycoproteins, but not that of misfolded nonglycoproteins. May act by forming a channel that allows the retrotranslocation of misfolded glycoproteins into the cytosol where they are ubiquitinated and degraded by the proteasome. May mediate the interaction between VCP and misfolded glycoproteins (PubMed: [16186509](http://www.uniprot.org/citations/16186509), PubMed: [16449189](http://www.uniprot.org/citations/16449189)). May also be involved in endoplasmic reticulum stress-induced pre-emptive quality control, a mechanism that selectively attenuates the translocation of newly synthesized proteins into the endoplasmic reticulum and reroutes them to the cytosol for proteasomal degradation (PubMed: [26565908](http://www.uniprot.org/citations/26565908)).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location

Ubiquitous. Overexpressed in various hepatocarcinomas.

DERL2 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DERL2 Antibody (C-term) Blocking Peptide - Images**DERL2 Antibody (C-term) Blocking Peptide - Background**

Proteins that are unfolded or misfolded in the endoplasmic reticulum (ER) must be refolded or degraded to maintain the homeostasis of the ER. DERL2 is involved in the degradation of misfolded glycoproteins in the ER.

DERL2 Antibody (C-term) Blocking Peptide - References

Lilley,B.N.et.al., Nature 429 (6994), 834-840 (2004)