

KDEL1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9361a**Specification**

KDEL1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q6UW63](#)**KDEL1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 79070**Other Names**

KDEL motif-containing protein 1, Endoplasmic reticulum resident protein 58, ER protein 58, ERp58, KDELC1, EP58

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.

KDEL1 Antibody (N-term) Blocking Peptide - Protein Information**Name** POGLUT2 {ECO:0000303|PubMed:30127001, ECO:0000312|HGNC:HGNC:19350}**Function**

Protein glucosyltransferase that catalyzes the transfer of glucose from UDP-glucose to a serine residue within the consensus sequence peptide C-X-N-T-X-G-S-F-X-C (PubMed:30127001). Can also catalyze the transfer of xylose from UDP-xylose but less efficiently (PubMed:30127001). Specifically targets extracellular EGF repeats of proteins such as NOTCH1, NOTCH3, FBN1, FBN2 and LTBP1 (PubMed:30127001, PubMed:34411563). May regulate the transport of NOTCH1 and NOTCH3 to the plasma membrane and thereby the Notch signaling pathway (PubMed:30127001).

Cellular Location

Endoplasmic reticulum lumen {ECO:0000255|PROSITE- ProRule:PRU10138}

KDEL1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

KDEL1 Antibody (N-term) Blocking Peptide - Images

KDEL1 Antibody (N-term) Blocking Peptide - Background

KDEL1 encodes a protein product localized to the lumen of the endoplasmic reticulum. As a member of the endoplasmic reticulum protein family the encoded protein contains a Lys-Asp-Glu-Leu or KDEL motif located at the extreme C-terminus which prevents all endoplasmic reticulum resident proteins from being secreted. Proteins carrying this motif are bound by a receptor in the Golgi apparatus so that the receptor-ligand complex returns to the endoplasmic reticulum. A processed non-transcribed pseudogene located in an intron of a sodium transporter gene on chromosome 5 has been defined for this gene.

KDEL1 Antibody (N-term) Blocking Peptide - References

Ferraren,D.O. Am. J. Med. Genet. B Neuropsychiatr. Genet. 133B (1), 12-17 (2005)Dunham,A. Nature 428 (6982), 522-528 (2004)Clark,H.F. Genome Res. 13 (10), 2265-2270 (2003)