

EDEM3 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16556b**Specification**

EDEM3 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9BZQ6](#)**EDEM3 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 80267**Other Names**

ER degradation-enhancing alpha-mannosidase-like protein 3, Alpha-1, 2-mannosidase EDEM3, EDEM3, C1orf22

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.

EDEM3 Antibody (C-term) Blocking Peptide - Protein Information**Name** EDEM3**Synonyms** C1orf22**Function**

Involved in endoplasmic reticulum-associated degradation (ERAD). Accelerates the glycoprotein ERAD by proteasomes, by catalyzing mannose trimming from Man8GlcNAc2 to Man7GlcNAc2 in the N-glycans (PubMed:25092655). May also participate in mannose trimming from all glycoproteins and not just misfolded ones targeted to ERAD (PubMed:34143952). May have alpha 1,2-mannosidase activity (By similarity).

Cellular Location

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

EDEM3 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

EDEM3 Antibody (C-term) Blocking Peptide - Images

EDEM3 Antibody (C-term) Blocking Peptide - Background

Quality control in the endoplasmic reticulum (ER) ensures that only properly folded proteins are retained in the cell through recognition and degradation of misfolded or unassembled proteins. EDEM3 belongs to a group of proteins that accelerate degradation of misfolded glycoproteins in the ER (Hirao et al., 2006 [PubMed16431915]).

EDEM3 Antibody (C-term) Blocking Peptide - References

Hirao, K., et al. J. Biol. Chem. 281(14):9650-9658(2006) Mast, S.W., et al. Glycobiology 15(4):421-436(2005) Olivari, S., et al. J. Biol. Chem. 280(4):2424-2428(2005) Sood, R., et al. Genomics 73(2):211-222(2001)