10320 Camino Santa Fe, Suite G
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EDEM3 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP16556b

Specification

EDEM3 Antibody (C-term) Blocking Peptide - Product Information

Primary 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

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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) ensuresthat only properly folded proteins are retained in the cell throughrecognition and degradation of misfolded or unassembled proteins.EDEM3 belongs to a group of proteins that accelerate degradation ofmisfolded 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)