

EDEM2 Blocking Peptide
Catalog # PBV10511b**Specification**

EDEM2 Blocking Peptide - Product Information

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|-------------------|------------------------|
| Primary Accession | Q9BV94 |
| Gene ID | 55741 |
| Calculated MW | 64753 |

EDEM2 Blocking Peptide - Additional Information**Gene ID** 55741**Application & Usage**

The peptide is used for blocking the antibody activity of EDEM2. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

ER degradation-enhancing alpha-mannosidase-like protein 2, EDEM2, C20orf31, C20orf49

Target/Specificity

EDEM2

Formulation

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

EDEM2 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

EDEM2 Blocking Peptide - Protein Information**Name** EDEM2**Synonyms** C20orf31, C20orf49**Function**

Involved in the endoplasmic reticulum-associated degradation (ERAD) pathway that targets misfolded glycoproteins for degradation in an N-glycan-dependent manner (PubMed:15537790, PubMed:25092655). May initiate ERAD by promoting the first mannose trimming step of ERAD substrates, from Man9GlcNAc2 to Man8GlcNAc2 (PubMed:25092655). Seems to recognize and bind to exposed hydrophobic regions in target proteins (By similarity).

Cellular Location

Endoplasmic reticulum lumen

Tissue Location

Expressed ubiquitously in all tissues tested with slightly higher levels detected in small intestine and peripheral blood leukocytes and weakest levels in brain and skeletal muscle

EDEM2 Blocking Peptide - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

EDEM2 Blocking Peptide - Images