10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

EDEM2 Blocking Peptide
Catalog # PBV10511b

Specification

EDEM2 Blocking Peptide - Product Information

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:<a

href="http://www.uniprot.org/citations/15537790" target="_blank">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 Cytomety
- Cell Culture

EDEM2 Blocking Peptide - Images