

EDEM3 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10459**Specification**

EDEM3 Antibody - Product Information

Application	WB
Primary Accession	O9BZQ6
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	104664

EDEM3 Antibody - Additional Information**Gene ID** 80267

Positive Control	3T3 cell lysate
Application & Usage	Western blot: 1:200
Other Names	
Alpha-1, 2-mannosidase EDEM3	

Target/Specificity
EDEM3**Antibody Form**
Liquid**Appearance**
Colorless liquid**Formulation**
100 µg (0.5 mg/ml) of antibody in PBS, 0.01 % BSA, 0.01 % thimerosal, and 50 % glycerol, pH7.2**Handling**
The antibody solution should be gently mixed before use.**Reconstitution & Storage**
-20 °C**Background Descriptions****Precautions**
EDEM3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**EDEM3 Antibody - 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

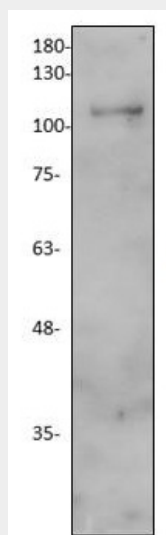
Endoplasmic reticulum lumen {ECO:0000255|PROSITE- ProRule:PRU10138}

EDEM3 Antibody - 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](#)

EDEM3 Antibody - Images



Western blot of 3T3 cell lysate with EDEM3 antibody.

EDEM3 Antibody - Background

EDEM3 belongs to the glycosyl hydrolase 47 family. It is involved in endoplasmic reticulum-associated degradation (ERAD). 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 accelerates the degradation of misfolded glycoproteins in the ER. It also accelerates the glycoprotein ERAD by proteasomes and this process depends on mannose-trimming from the N-glycans. It is most likely to have some alpha 1, 2-mannosidase activity.