

**EDEM3 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16556b****Specification**

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**EDEM3 Antibody (C-term) - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | WB,E                        |
| Primary Accession | <a href="#">O9BZQ6</a>      |
| Other Accession   | <a href="#">NP_079467.3</a> |
| Reactivity        | Human                       |
| Host              | Rabbit                      |
| Clonality         | Polyclonal                  |
| Isotype           | Rabbit IgG                  |
| Calculated MW     | 104664                      |
| Antigen Region    | 774-802                     |

**EDEM3 Antibody (C-term) - Additional Information****Gene ID** 80267**Other Names**

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

**Target/Specificity**

This EDEM3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 774-802 amino acids from the C-terminal region of human EDEM3.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

EDEM3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**EDEM3 Antibody (C-term) - 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

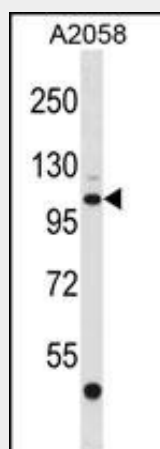
Endoplasmic reticulum lumen {ECO:0000255|PROSITE- ProRule:PRU10138}

## EDEM3 Antibody (C-term) - 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 (C-term) - Images



EDEM3 Antibody (C-term) (Cat. #AP16556b) western blot analysis in A2058 cell line lysates (35ug/lane). This demonstrates the EDEM3 antibody detected the EDEM3 protein (arrow).

## EDEM3 Antibody (C-term) - 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 [PubMed 16431915]).

## EDEM3 Antibody (C-term) - 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)