

## Anti-EDEM1(ER degradation-enhancing alpha-mannosidase-like 1) Polyclonal Antibody

Cat. #: 60B177

### Description:

EDEM1(ER degradation-enhancing alpha-mannosidase-like 1) extracts misfolded glycoproteins, but not glycoproteins undergoing productive folding, from the calnexin cycle. It is directly involved in endoplasmic reticulum-associated degradation (ERAD) and targets misfolded glycoproteins for degradation in an N-glycan-dependent manner. It lacks mannosidase activity.

EDEM1 is located in endoplasmic reticulum membrane and is a single-pass type II membrane protein. EDEM1 belongs to the glycosyl hydrolase 47 family.

### Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of human EDEM1(ER degradation-enhancing alpha-mannosidase-like 1)

### References

Nagase, T., et al, DNA Res. 3 (5), 321-329 (1996)

Molinari, M., et al, Science 299 (5611), 1397-1400 (2003)

Clone Number:

Isotype:

Species: human, mouse

Storage and Stability: at -20°C

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1 µg/ml for 2hrs)