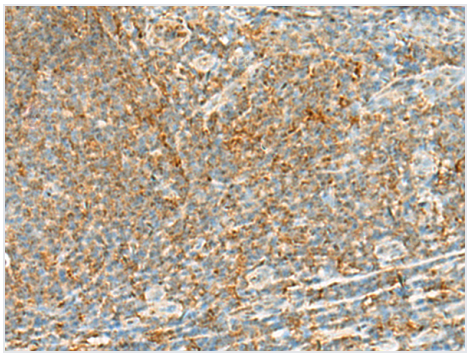
EDEM3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	EDEM3, Polyclonal Antibody
Full Product Name	EDEM3 Polyclonal Antibody
Product Gene Name	anti-EDEM3 antibody
Product Synonym Names	alpha-1; 2-mannosidase EDEM3; C1orf22; EDEM 3; Edem3; EDEM3; ER degradation enhancer, mannosidase alpha like 3; ER degradation enhancing alpha mannosidase like 3; ER degradation enhancing alpha mannosidase like protein 3; ER degradation-enhancing alpha-mannosidase-like 3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	PBS with 0.05% NaN3 and 40% Glycerol, pH7.4
Purity/Purification	Antigen Affinity Purification
Concentration	1.08mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
OMIM	610214
3D Structure	ModBase 3D Structure for Q9BZQ6
Immunogen	Synthetic peptide of human EDEM3
Conjugation	Unconjugated
Product Categories/Family for anti-EDEM3 antibody	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-EDEM3 antibody	Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-EDEM3 antibody	IHC: 1:25-1:100 ELISA: 1:500-1000
Related Product Information for anti-EDEM3 antibody	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]).
Other Notes	Small volumes of anti-EDEM3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for EDEM3 purchase	MBS2561872 is an antibody targeting EDEM3. Also known as EDEM3 Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.



Immunohistochemistry (IHC) of anti-EDEM3 antibody
Immunohistochemistry of paraffin-embedded Human tonsil tissue using EDEM3 Polyclonal Antibody at dilution of 1:35(×200)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EDEM3. It may not necessarily be applicable to this product.

NCBI GI #	163310725
NCBI GeneID	80267
NCBI Accession #	NP_079467.3
UniProt Primary Accession #	Q9BZQ6
UniProt Related Accession #	Q9BZQ6
GenBank Nucleotide #	NP_079467.3
NCBI Official Full Name	ER degradation-enhancing alpha-mannosidase-like protein 3 isoform 2
NCBI Official Synonym Full Names	ER degradation enhancing alpha-mannosidase like protein 3
NCBI Official Symbol	EDEM3
NCBI Official Synonym Symbols	C1orf22
UniProt Protein Name	ER degradation-enhancing alpha-mannosidase-like protein 3
UniProt Synonym Protein Names	Alpha-1,2-mannosidase EDEM3
Protein Family	ER degradation-enhancing alpha-mannosidase-like protein
UniProt Gene Name	EDEM3
UniProt Synonym Gene Names	C1orf22
UniProt Entry Name	EDEM3_HUMAN
NCBI Protein Information	ER degradation-enhancing alpha-mannosidase-like protein 3

UniProt Comments for EDEM3	Function: Involved in endoplasmic reticulum-associated degradation (ERAD). Accelerates the glycoprotein ERAD by proteasomes. This process depends on mannose-trimming from the N-glycans. Seems to have alpha 1,2-mannosidase activity By similarity. Catalytic activity: Hydrolysis of the terminal (1->2)-linked alpha-D-mannose residues in the oligo-mannose oligosaccharide Man9(GlcNAc)2. Subcellular location: Endoplasmic reticulum lumen By similarity. Domain: Contains a protease-associated domain (PA) of unknown function. Sequence similarities: Belongs to the glycosyl hydrolase 47 family.Contains 1 PA (protease associated) domain. Sequence caution: The sequence AAG60613.1 differs from that shown. Reason: Erroneous initiation. The sequence BAG37573.1 differs from that shown. Reason: Erroneous initiation.
Research Articles on EDEM3	**1.** the mannose-trimming activity of EDEM3 toward the model misfolded substrate, the glycoprotein T-cell receptor alpha locus (TCRalpha), was reconstituted only when ERp46 had established a covalent interaction with EDEM3
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