EDEM3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	EDEM3, Polyclonal Antibody
Full Product Name	EDEM3 Rabbit Polyclonal Antibody
Product Gene Name	anti-EDEM3 antibody
Product Synonym Gene Name	EDEM3, C1orf22
Product Synonym Names	BH6842; ER degradation-enhancing alpha-mannosidase-like 3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	EDEM3 Polyclonal Antibody detects endogenous levels of protein.
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	104,664 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (184659625..184724041, complement). Location: 1q25
OMIM	610214
3D Structure	ModBase 3D Structure for Q9BZQ6
Immunogen	Synthesized peptide derived from part region of human protein
Modification	Unmodified/Total
Applications Tested/Suitable for anti-EDEM3 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-EDEM3 antibody	WB: 1:500-2000 ELISA: 1:5000-20000
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]).[supplied by OMIM, Mar 2008]
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	MBS9514346 is an antibody targeting EDEM3. Also known as EDEM3 Rabbit Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.

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 Secondary Accession #	Q0VGM5; Q5TEZ0; Q9HCW1; Q9UFV7; B2RCH6
UniProt Related Accession #	Q9BZQ6
GenBank Nucleotide #	NM_025191.3
NCBI Official Full Name	ER degradation-enhancing alpha-mannosidase-like protein 3
NCBI Official Synonym Full Names	ER degradation enhancer, mannosidase alpha-like 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; alpha-1,2-mannosidase EDEM3; ER degradation-enhancing alpha-mannosidase-like 3; ER degradation-enhancing -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.
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