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[Primary Antibody]

Rabbit Anti-EDEM1 antibody

Catalog Number: SL14489R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	EDEM1
Immunogen:	KLH conjugated Synthesised phosphopeptide derived from human ECT2 around the phosphorylation site of Thr790: 551-657/657
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog, Horse)
Predicted MW.:	74kDa
Subcellular Location:	cytoplasmic
Background:	Proteins expressed in the endoplasmic reticulum (ER) are subjected to a tight quality control. Terminally misfolded proteins in the endoplasmic reticulum (ER) are retrotranslocated to the cytoplasm and degraded by proteasomes through a mechanism known as ER-associated degradation (ERAD). EDEM (ER degradation-enhancing alpha-mannosidase-like) protein is a type II membrane protein that localizes to the ER and is directly involved in ERAD. EDEM targets misfolded glycoproteins for degradation in an N-glycan-dependent manner and extracts misfolded glycoproteins from the calnexin cycle. The human EDEM gene maps to chromosome 3p. **Function:** EDEM1 is directly involved in ER associated degradation (ERAD),

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	and targets misfolded glycoproteins for degradation in an N glycan dependent manner. It lacks mannosidase activity. EDEM1 belongs to the glycosyl hydrolase 47 family. **Subunit:** Interacts with DNAJC10 (By similarity). Interacts with DERL2 and DERL3. Binds to SEL1L. **Subcellular Location:** Endoplasmic reticulum membrane. **Similarity:** Belongs to the glycosyl hydrolase 47 family. **Database links:** **Entrez Gene:** 9695 Human **Entrez Gene:** 192193 Mouse **SwissProt:** Q92611 Human **SwissProt:** Q925U4 Mouse

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