Datasheet for ABIN966027

anti-EDEM1 antibody (C-Term)

2 Publications

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Overview

Quantity:	0.1 mg
Target:	EDEM1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC)

Product Details

Immunogen:	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)
Purification:	Purified by antigen-specific affinity chromatography.

Target Details

Target:	EDEM1
Alternative Name:	EDEM1 (EDEM1 Products)
Background:	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

Target Details

	protein. EDEM1 belongs to the glycosyl hydrolase 47 family.
Pathways:	ER-Nucleus Signaling

Application Details

Application Notes:	ELISA, Western blotting: 1µg/ml for 2hrs.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	This antibody is stored in PBS, 50% glycerol
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Publications

Product cited in:	Akins, Greer: "Axon behavior in the olfactory nerve reflects the involvement of catenin-cadherin mediated adhesion." in: **The Journal of comparative neurology**, Vol. 499, Issue 6, pp. 979-89, (2007) (PubMed). Lee, DAmour, Papkoff: "A yeast model system for functional analysis of beta-catenin signaling." in: **The Journal of cell biology**, Vol. 158, Issue 6, pp. 1067-78, (2002) (PubMed). Persad, Troussard, McPhee, Mulholland, Dedhar: "Tumor suppressor PTEN inhibits nuclear accumulation of beta-catenin and T cell/lymphoid enhancer factor 1-mediated transcriptional activation." in: **The Journal of cell biology**, Vol. 153, Issue 6, pp. 1161-74, (2001) (PubMed). Tateishi, Omata, Tanaka, Chiba: "The NEDD8 system is essential for cell cycle progression and morphogenetic pathway in mice." in: **The Journal of cell biology**, Vol. 155, Issue 4, pp. 571-9, (2001) (PubMed). Eger, Stockinger, Schaffhauser, Beug, Foisner: "Epithelial mesenchymal transition by c-Fos

estrogen receptor activation involves nuclear translocation of beta-catenin and upregulation of beta-catenin/lymphoid enhancer binding factor-1 transcriptional activity." in: **The Journal of cell biology**, Vol. 148, Issue 1, pp. 173-88, (2000) (PubMed).