Datasheet for ABIN7599876

anti-EDEM1 antibody (AA 124-657)

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Overview

Quantity:	100 µg
Target:	EDEM1
Binding Specificity:	AA 124-657
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EDEM1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-EDEM1 Antibody Picoband®
Immunogen:	E.coli-derived human EDEM1 recombinant protein (Position: P124-I657). Human EDEM1 shares 96.6% amino acid (aa) sequence identity with mouse EDEM1.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-EDEM1 Antibody Picoband® (ABIN7599876). Tested in WB, Flow Cytometry, ELISA applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	EDEM1
Alternative Name:	EDEM1 (EDEM1 Products)
Background:	Synonyms: EDEM1, EDEM, KIAA0212, ER degradation-enhancing alpha-mannosidase-like protein 1 Background: Enables mannosyl-oligosaccharide 1,2-alpha-mannosidase activity and misfolded protein binding activity. Involved in positive regulation of retrograde protein transport, ER to cytosol, protein targeting to ER, and proteolysis involved in protein catabolic process. Located in aggresome and endoplasmic reticulum quality control compartment.
Molecular Weight:	66 kDa
Gene ID:	9695
UniProt:	Q92611
Pathways:	ER-Nucleus Signaling

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL 1. Hosokawa, N., Wada, I., Hasegawa, K., Yorihuzi, T., Tremblay, L. O., Herscovics, A., Nagata, K. A novel ER alpha-mannosidase-like protein accelerates ER-associated degradation. EMBO Rep. 2: 415-422, 2001. 2. Molinari, M., Calanca, V., Galli, C., Lucca, P., Paganetti, P. Role of EDEM in the release of misfolded glycoproteins from the calnexin cycle. Science 299: 1397-1400, 2003. 3. Nagase, T., Seki, N., Ishikawa, K., Ohira, M., Kawarabayasi, Y., Ohara, O., Tanaka, A., Kotani, H., Miyajima, N., Nomura, N. Prediction of the coding sequences of unidentified human genes. VI. The coding sequences of 80 new genes (KIAA0201-KIAA0280) deduced by analysis of cDNA clones from cell line KG-1 and brain. DNA Res. 3: 321-329, 1996.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

Handling

Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.