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Datasheet for ABIN7468512
anti-KDEL R1 antibody

Overview

Quantity:	100 µL
Target:	KDEL R1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KDEL R1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the center region of human KDEL receptor. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Hamster
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	KDEL R1
Alternative Name:	KDEL endoplasmic reticulum protein retention receptor 1 (KDEL R1 Products)
Background:	Synonyms: KDEL endoplasmic reticulum protein retention receptor 1 , ERD2 , ERD2.1 , HDEL , PM23 Background: Retention of resident soluble proteins in the lumen of the endoplasmic reticulum

Target Details

(ER) is achieved in both yeast and animal cells by their continual retrieval from the cis-Golgi, or a pre-Golgi compartment. Sorting of these proteins is dependent on a C-terminal tetrapeptide signal, usually lys-asp-glu-leu (KDEL) in animal cells, and his-asp-glu-leu (HDEL) in *S. cerevisiae*. This process is mediated by a receptor that recognizes, and binds the tetrapeptide-containing protein, and returns it to the ER. In yeast, the sorting receptor encoded by a single gene, ERD2, which is a seven-transmembrane protein. Unlike yeast, several human homologs of the ERD2 gene, constituting the KDEL receptor gene family, have been described. The protein encoded by this gene was the first member of the family to be identified, and it encodes a protein structurally and functionally similar to the yeast ERD2 gene product. [provided by RefSeq]

Molecular Weight: 25 kDa

Gene ID: 10945

UniProt: [P24390](#)

Pathways: [Maintenance of Protein Location](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.729 mg/mL

Buffer: 0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.