

Datasheet for ABIN7468512 anti-KDELR1 antibody



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Overview

Quantity:100 µLTarget:KDELR1Reactivity:HumanHost:RabbitClonality:PolyclonalConjugate:This KDELR1 antibody is un-conjugatedApplication:Western Blotting (WB)Product DetailsCarrier-protein conjugated synthetic peptide encompassing a sequence within the center region of human KDEL receptor. The exact sequence is proprietary.Isotype:IgGCross-Reactivity:HarnsterPurification:Purified by antigen-affinity chromatography.		
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Purification: Purified by antigen-affinity chromatography.	Isotype:	lgG
	Cross-Reactivity:	Hamster
Target Details	Purification:	Purified by antigen-affinity chromatography.
	Target Details	

Target:	KDELR1
Alternative Name:	KDEL endoplasmic reticulum protein retention receptor 1 (KDELR1 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

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(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.

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