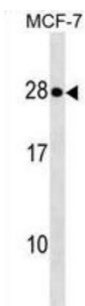


## ER Lumen Protein-Retaining Receptor 1 (KDEL1) Antibody

Catalogue No.: abx030790



Retention of resident soluble proteins in the lumen of the endoplasmic reticulum (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.

<b>Target:</b>	ER Lumen Protein-Retaining Receptor 1 (KDEL1)
<b>Clonality:</b>	Polyclonal
<b>Reactivity:</b>	Human
<b>Tested Applications:</b>	ELISA, WB
<b>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	WB: 1/2000. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	KLH-conjugated synthetic peptide between 185-211 amino acids from the C-terminal region of human KDEL1.
<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purification:</b>	Purified through a protein A column, followed by peptide affinity purification.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

# Datasheet

Version: 4.0.0

Revision date: 27 Jul 2025



**UniProt Primary AC:** P24390 ([UniProt](#), [ExPASy](#))

**Gene Symbol:** KDELR1

**KEGG:** hsa:10945

**String:** [9606.ENSP00000329471](#)

**Buffer:** PBS containing 0.09% sodium azide.

**Specificity:** Predicted to react with Mouse, Rat, Cow, Zebrafish and Xenopus KDELR.

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only