

**KDEL R Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP19130b**

**Specification**

**KDEL R Antibody (C-term) - Product Information**

Application	<b>WB, E</b>
Primary Accession	<a href="#">P24390</a> , <a href="#">O43731</a> and <a href="#">P33947</a>
Other Accession	<a href="#">O42580</a> , <a href="#">O8R1L4</a> , <a href="#">O43731</a> , <a href="#">O7ZXS5</a> , <a href="#">O5U305</a> , <a href="#">O9COM2</a> , <a href="#">P33947</a> , <a href="#">O6PEH1</a> , <a href="#">O5ZKX9</a> , <a href="#">O2KJ37</a> , <a href="#">O569A6</a> , <a href="#">O99JH8</a> , <a href="#">P33946</a> , <a href="#">Q68ES4</a> , <a href="#">O6PAB8</a> , <a href="#">NP_006792.1</a> , <a href="#">P24390</a>
Reactivity Predicted	<b>Human</b> <b>Xenopus, Bovine,</b> <b>Mouse, Rat,</b> <b>Chicken,</b> <b>Zebrafish</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Antigen Region	<b>185-211</b>

**KDEL R Antibody (C-term) - Additional Information**

**Other Names**

ER lumen protein-retaining receptor 1, KDEL endoplasmic reticulum protein retention receptor 1, KDEL receptor 1, Putative MAPK-activating protein PM23, KDEL R1, ERD21

**Target/Specificity**

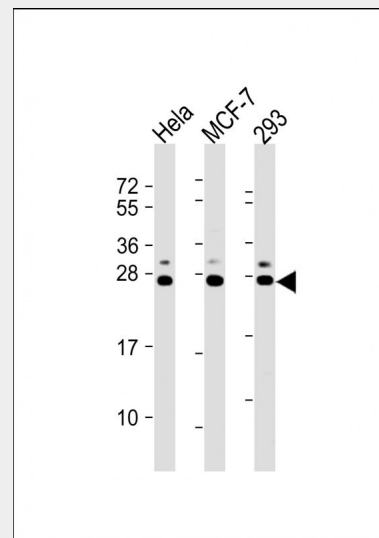
This KDEL R1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 185-211 amino acids from the C-terminal region of human KDEL R1.

**Dilution**

WB ~ ~ 1:2000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This



All lanes : Anti-KDEL R1 Antibody (C-term) at 1:2000 dilution Lane 1: HeLa whole cell lysate Lane 2: MCF-7 whole cell lysate Lane 3: 293 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 25 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

**KDEL R Antibody (C-term) - Background**

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

antibody is purified through a protein A column, followed by peptide affinity purification.

#### **Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

KDELR Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

#### **KDELR Antibody (C-term) - Protein Information**

#### **KDELR Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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.

#### **KDELR Antibody (C-term) - References**

Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007)  
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Bard, F., et al. J. Biol. Chem. 278(47):46601-46606(2003)  
Yamamoto, K., et al. J. Biol. Chem. 278(36):34525-34532(2003)  
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