

KDEL1/2/3 Antibody (C-term)

Catalog_no :	AB1879
Applications :	WB, FC
Reactivity :	H
Category :	抗原抗体
Size :	100μL/50μL
Immunogen :	HUMAN:185-211
Specificity :	This KDEL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 185-211 amino acids from the C-terminal region of human KDEL1.
Dilution :	WB,1:2000;
Purification :	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Other_name :	ER lumen protein-retaining receptor 1, KDEL endoplasmic reticulum protein retention receptor 1, KDEL receptor 1, Putative MAPK-activating protein PM23, KDEL1, ERD21
Isotype :	Rabbit Ig
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 <i>S. cerevisiae</i> . 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.
reference :	Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) : Breuza, L., et al. J. Biol. Chem. 279(45):47242-47253(2004) Bard, F., et al. J. Biol. Chem. 278(47):46601-46606(2003) Yamamoto, K., et al. J. Biol. Chem. 278(36):34525-34532(2003) Matsuda, A., et al