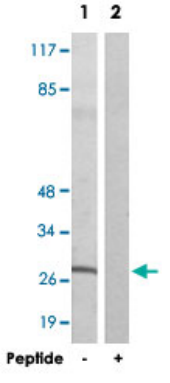
KDELR3 polyclonal antibody

Catalog # PAB17715 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from NIH/3T3 cells, using KDELR3 polyclonal antibody (Cat # PAB17715).
Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of KDELR3.
Immunogen	A synthetic peptide corresponding to internal of human KDELR3.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	This antibody detects endogenous levels of total KDELR3 protein.
Form	Liquid
Recommend Usage	Western Blot (1:500-1:1000) ELISA (1:20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — KDELR3

Entrez GeneID	11015
Protein Accession#	O43731
Gene Name	KDELR3
Gene Alias	ERD2L3
Gene Description	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3
Gene Ontology	Hyperlink
Gene Summary	Retention of resident soluble proteins in the lumen of the endoplasmic reticulum (ER) is achieved i n both yeast and animal cells by their continual retrieval from the cis-Golgi, or a pre-Golgi compart ment. Sorting of these proteins is dependent on a C-terminal tetrapeptide signal, usually lys-asp-g lu-leu (KDEL) in animal cells, and his-asp-glu-leu (HDEL) in S. cerevisiae. This process is mediat ed by a receptor that recognizes, and binds the tetrapeptide-containing protein, and returns it to th e ER. In yeast, the sorting receptor encoded by a single gene, ERD2, is a seven-transmembrane protein. Unlike yeast, several human homologs of the ERD2 gene, constituting the KDEL receptor gene family, have been described. KDELR3 was the third member of the family to be identified, a nd it encodes a protein highly homologous to KDELR1 and KDELR2 proteins. Two transcript vari ants of KDELR3 that arise by alternative splicing, and encode different isoforms of KDELR3 rece ptor, have been described. [provided by RefSeq
Other Designations	KDEL receptor 3|OTTHUMP00000028924

Pathway

- Vibrio cholerae infection