

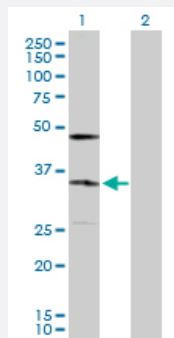
MaxPab®

# KDEL2 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00011014-D01P

Size 100 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of KDEL2 expression in transfected 293T cell line ([H00011014-T02](#)) by KDEL2 MaxPab polyclonal antibody.

Lane 1: KDEL2 transfected lysate(24.40 KDa).

Lane 2: Non-transfected lysate.

## Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human KDEL2 protein.
Immunogen	KDEL2 (NP_006845.1, 1 a.a. ~ 212 a.a) full-length human protein.
Sequence	MNIFRLTGDLSHLAAMVILLKWKTRSCAGISGKSQLLFALVFTRYLDLFTSFISLYNTSMKVYLACS YATVYLILKFKATYDGNHDTFRVEFLVVPVGGLSFLVNHDFSPLEILWTFSMYLESVAILPQLFMISK TGEAETITTHYLFGLYRALYLVNWWRFYFEGFFDLIAVVAGVVQTLICYDFFLYITKVLKGKKLSL PA
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (98)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of KDELR2 expression in transfected 293T cell line ([H00011014-T02](#)) by KDELR2 MaxPab polyclonal antibody.

Lane 1: KDELR2 transfected lysate(24.40 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

## Gene Info — KDELR2

Entrez GeneID [11014](#)

GeneBank Accession# [NM\\_006854.2](#)

Protein Accession# [NP\\_006845.1](#)

Gene Name KDELR2

Gene Alias ELP-1, ERD2.2, FLJ45532

Gene Description KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2

Omim ID [609024](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

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-asg-lu-leu (KDEL) in animal cells, and his-asg-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, is a seven-transmembrane protein. Unlike yeast, several human homologs of the ERD2 gene, constituting the KDEL receptor gene family, have been described. KDELR2 was the second member of the family to be identified, and it encodes a protein which is 83% identical to the KDELR1 gene product. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq]

**Other Designations** (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2|ERD-2-like protein|KDEL receptor 2

## Pathway

- [Vibrio cholerae infection](#)