DNAxPAb | Hard-to-Find Antibody

KDELR1 DNAxPab

Catalog # H00010945-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human KDELR1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MNLFRFLGDLSHLLAIILLLLKIWKSRSCAGISGKSQVLFAVVFTARYLDLFTNYISLYNTCMKVVYIA CSFTTVWLIYSKFKATYDGNHDTFRVEFLVVPTAILAFLVNHDFTPLEILWTFSIYLESVAILPQLFMV SKTGEAETITSHYLFALGVYRTLYLFNWIWRYHFEGFFDLIAIVAGLVQTVLYCDFFYLYITKVLKGKK LSLPA
Host	Rabbit
Reactivity	Human
Purification	Protein A
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)

  Protocol Download

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — KDELR1

Entrez GeneID	10945
GeneBank Accession#	NM_006801.2
Protein Accession#	NP_006792.1
Gene Name	KDELR1
Gene Alias	ERD2, ERD2.1, HDEL, PM23
Gene Description	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 1
Omim ID	131235
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, which is a seven-transmem brane protein. Unlike yeast, several human homologs of the ERD2 gene, constituting the KDEL re ceptor 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 yea st ERD2 gene product. [provided by RefSeq
Other Designations	ER lumen protein retaining receptor 1

Pathway

- Vibrio cholerae infection