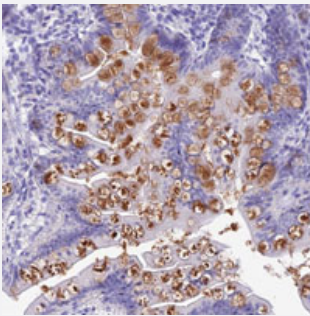


KDEL3 polyclonal antibody

Catalog # PAB28121 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human small intestine with KDEL3 polyclonal antibody (Cat # PAB28121) shows moderate cytoplasmic positivity in goblet cells of glandular cells at 1:50-1:200 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant KDEL3.
Immunogen	Recombinant protein corresponding to amino acids of recombinant KDEL3.
Sequence	FYLYVTKGRSWDDSNADTGLRSYSSI
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note

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

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human small intestine with KDELR3 polyclonal antibody (Cat # PAB28121) shows moderate cytoplasmic positivity in goblet cells of glandular cells at 1:50-1:200 dilution.

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 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-glu-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. KDELR3 was the third member of the family to be identified, and it encodes a protein highly homologous to KDELR1 and KDELR2 proteins. Two transcript variants of KDELR3 that arise by alternative splicing, and encode different isoforms of KDELR3 receptor, have been described. [provided by RefSeq]

Other Designations KDEL receptor 3|OTTHUMP00000028924

Pathway

- [Vibrio cholerae infection](#)