

Anti-Human/Mouse KDELR3 Polyclonal Antibody**Polyclonal Antibody****Cat.NO.: PA04662**

3th Edition

Description: This gene encodes a member of the KDEL endoplasmic reticulum protein retention receptor family. 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 *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. Alternate splicing results in multiple transcript variants. KDELR3 (KDEL Endoplasmic Reticulum Protein Retention Receptor 3) is a Protein Coding gene. Among its related pathways are Activation of cAMP-Dependent PKA and Vesicle-mediated transport. GO annotations related to this gene include ER retention sequence binding. An important paralog of this gene is KDELR2.

Antigen: Synthesized peptide derived from the Internal region of human KDEL Receptor 3

Form:

How to use: 1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution: PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: