

# KDEL Receptor 2 Polyclonal Antibody

Catalog # AP70645

## Product Information

---

<b>Application</b>	WB, IHC-P, IF, ICC, E
<b>Primary Accession</b>	<a href="#">P33947</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	24422

## Additional Information

---

<b>Gene ID</b>	11014
<b>Other Names</b>	KDELR2; ERD2.2; ER lumen protein retaining receptor 2; ERD2-like protein 1; ELP-1; KDEL endoplasmic reticulum protein retention receptor 2; KDEL receptor 2
<b>Dilution</b>	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications. IF~~1:50~200 ICC~~N/A E~~N/A
<b>Format</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
<b>Storage Conditions</b>	-20°C

## Protein Information

---

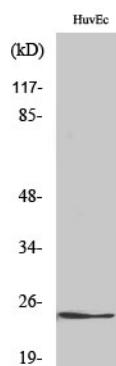
<b>Name</b>	KDELR2
<b>Synonyms</b>	ERD2.2 {ECO:0000303   PubMed:1325562}
<b>Function</b>	Membrane receptor that binds the K-D-E-L sequence motif in the C-terminal part of endoplasmic reticulum resident proteins and maintains their localization in that compartment by participating to their vesicle-mediated recycling back from the Golgi (PubMed: <a href="#">1325562</a> , PubMed: <a href="#">18086916</a> , PubMed: <a href="#">33053334</a> ). Binding is pH dependent, and is optimal at pH 5-5.4 (By similarity).
<b>Cellular Location</b>	Endoplasmic reticulum membrane; Multi-pass membrane protein {ECO:0000250   UniProtKB:Q5ZKX9}. Golgi apparatus membrane; Multi-pass membrane protein {ECO:0000250   UniProtKB:Q5ZKX9}. Cytoplasmic vesicle, COPI-coated vesicle membrane; Multi-pass membrane protein

{ECO:0000250 | UniProtKB:Q5ZKX9} Note=Localized in the Golgi in the absence of bound proteins with the sequence motif K-D-E-L. Trafficks back to the endoplasmic reticulum together with cargo proteins containing the sequence motif K-D-E-L

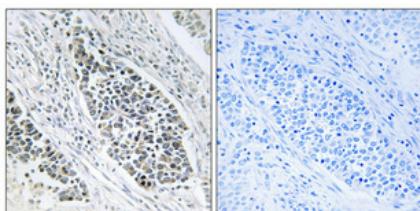
## Background

Required for the retention of luminal endoplasmic reticulum proteins. Determines the specificity of the luminal ER protein retention system. Also required for normal vesicular traffic through the Golgi. This receptor recognizes K-D-E-L.

## Images



Western Blot analysis of various cells using KDEL Receptor 2 Polyclonal Antibody diluted at 1 : 1000



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100(4°,overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.