

**KDEL2 Antibody (aa81-130)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS16666****Specification**

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**KDEL2 Antibody (aa81-130) - Product Information**

|                   |                                                    |
|-------------------|----------------------------------------------------|
| Application       | WB, IHC-P, IF, E                                   |
| Primary Accession | <a href="#">P33947</a>                             |
| Other Accession   | <a href="#">11014</a>                              |
| Reactivity        | Human, Mouse, Rat                                  |
| Host              | Rabbit                                             |
| Clonality         | Polyclonal                                         |
| Isotype           | IgG                                                |
| Calculated MW     | 24422                                              |
| Dilution          | WB~~1:1000<br>IHC-P~~N/A<br>IF~~1:50~200<br>E~~N/A |

**KDEL2 Antibody (aa81-130) - Additional Information****Gene ID** 11014**Other Names**

KDEL2, ERD2-like protein 1, ERD2.2, ERD-2-like protein, KDEL receptor 2, ELP-1

**Target/Specificity**

ERD22 Antibody detects endogenous levels of total ERD22 protein.

**Reconstitution & Storage**PBS (without Mg<sup>2+</sup>, Ca<sup>2+</sup>), pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol.  
Store at -20°C for up to one year.**Precautions**

KDEL2 Antibody (aa81-130) is for research use only and not for use in diagnostic or therapeutic procedures.

**KDEL2 Antibody (aa81-130) - Protein Information****Name** KDEL2**Synonyms** ERD2.2 {ECO:0000303|PubMed:1325562}**Function**

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:&lt;a href="http://www.uniprot.org/citations/1325562" target="\_blank"&gt;1325562&lt;/a&gt;, PubMed:&lt;a

href="http://www.uniprot.org/citations/18086916" target="\_blank">18086916</a>, PubMed:<a href="http://www.uniprot.org/citations/33053334" target="\_blank">33053334</a>). Binding is pH dependent, and is optimal at pH 5-5.4 (By similarity).

#### Cellular Location

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

#### Volume

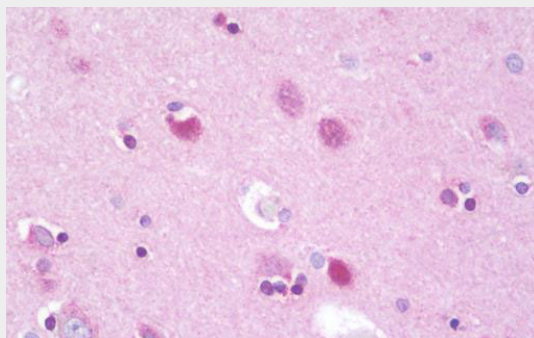
50 µl

#### KDEL2 Antibody (aa81-130) - Protocols

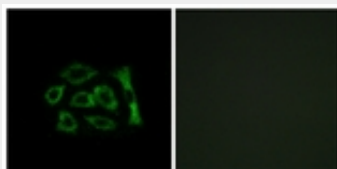
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

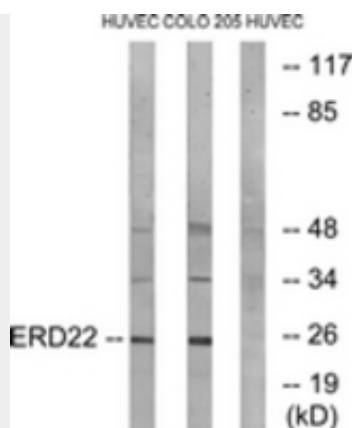
#### KDEL2 Antibody (aa81-130) - Images



Anti-KDEL2 antibody IHC staining of human brain, cortex.



Immunofluorescence of A549 cells, using ERD22 Antibody.



Western blot of extracts from HUVEC/COLO cells, using ERD22 Antibody.

### **KDEL2 Antibody (aa81-130) - 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.

### **KDEL2 Antibody (aa81-130) - References**

Lewis M.J.,et al.J. Mol. Biol. 226:913-916(1992).  
Hsu V.W.,et al.Cell 69:625-635(1992).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Hillier L.W.,et al.Nature 424:157-164(2003).  
Scherer S.W.,et al.Science 300:767-772(2003).