

Datasheet for ABIN953024
anti-KDEL2 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	0.4 mL
Target:	KDEL2
Binding Specificity:	AA 182-211, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KDEL2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 182-211 amino acids from the C-terminal region of human KDEL2
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human KDEL Receptor 2 / KDEL2 (C-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	KDEL2
Alternative Name:	KDEL Receptor 2 / KDEL2 (KDEL2 Products)

Target Details

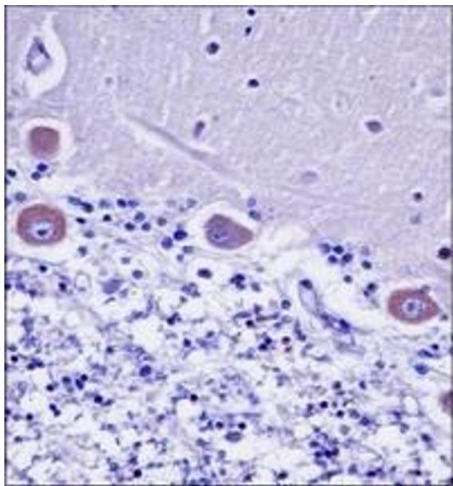
Background:	Retention of resident soluble proteins in the lumen of the endoplasmic reticulum (ER) is achieved in both yeast and animal cells by their continual retrieval from the cis-Golgi, or a pre-Golgi compartment. Sorting of these proteins is dependent on a C-terminal tetrapeptide signal, usually lys-asp-glu-leu (KDEL) in animal cells, and his-asp-glu-leu (HDEL) in <i>S. cerevisiae</i> . 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. KDELR2 was the second member of the family to be identified, and it encodes a protein which is 83 % identical to the KDELR1 gene product. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq].Synonyms: ELP-1, ER lumen protein retaining receptor 2, ERD2-like protein 1, ERD2.2, KDEL endoplasmic reticulum protein retention receptor 2
Molecular Weight:	24422 Da
Gene ID:	11014
NCBI Accession:	NP_001094073
Pathways:	Maintenance of Protein Location

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

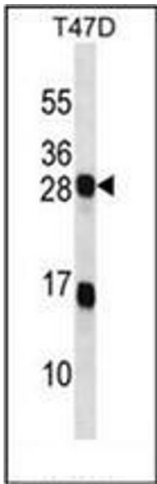
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry analysis in formalin fixed and paraffin embedded human cerebellum tissue reacted with KDEL2 Antibody (C-term) followed by peroxidase conjugated to the secondary antibody and followed by DAB staining.



Western Blotting

Image 2. Western blot analysis of KDEL2 Antibody (C-term) in T47D cell line lysates (35ug/lane). This demonstrates the KDEL2 antibody detected the KDEL2 protein (arrow).