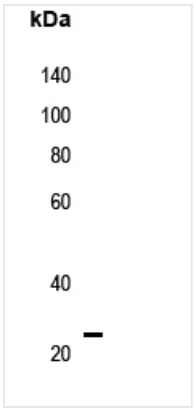
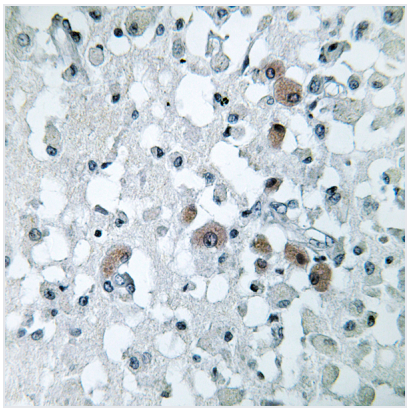
KDELR3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KDELR3, Polyclonal Antibody
Full Product Name	KDELR3 Antibody
Product Gene Name	anti-KDELR3 antibody
Product Synonym Names	ER lumen protein retaining receptor 3; KDEL endoplasmic reticulum protein retention receptor 3; KDEL receptor 3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Purity/Purification	Immunogen affinity chromatography
Concentration	1 mg/mL (lot specific)
Specificity	Recognizes endogenous levels of KDELR3 protein.
Preparation and Storage	Store at -20 degree C.
Molecular Weight	25 kDa
3D Structure	ModBase 3D Structure for O43731
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human KDELR3.
Product Categories/Family for anti-KDELR3 antibody	Total protein Ab
Applications Tested/Suitable for anti-KDELR3 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-KDELR3 antibody	WB: 1:500-1:1000 IHC: 1:50-1:100
Related Product Information for anti-KDELR3 antibody	MBS9430810 is an antibody targeting KDELR3. Also known as KDELR3 Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-KDELR3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-KDELR3 antibody
Western blot analysis of GPR137C expression in MCF7 whole cell lysates.



Immunohistochemistry (IHC) of anti-KDELR3 antibody
Immunohistochemical analysis of KDELR3 staining in human brain formalin fixed paraffin embedded tissue section. The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KDELR3. It may not necessarily be applicable to this product.

NCBI GI #	6857802
NCBI GeneID	11015
NCBI Accession #	NP_006846.1
UniProt Primary Accession #	O43731
UniProt Secondary Accession #	O95557; Q4V750; Q4V767; Q53FP4; Q53GK1; A8K7T7; B8ZZ26
UniProt Related Accession #	O43731
GenBank Nucleotide #	NM_006855.4
NCBI Official Full Name	ER lumen protein-retaining receptor 3 isoform a
NCBI Official Synonym Full Names	KDEL endoplasmic reticulum protein retention receptor 3
NCBI Official Symbol	KDELR3
NCBI Official Synonym Symbols	ERD2L3
UniProt Protein Name	ER lumen protein-retaining receptor 3
UniProt Synonym Protein Names	KDEL endoplasmic reticulum protein retention receptor 3; KDEL receptor 3
Protein Family	ER lumen protein-retaining receptor
UniProt Gene Name	KDELR3
UniProt Synonym Gene Names	KDEL receptor 3
NCBI Protein Information	ER lumen protein-retaining receptor 3
NCBI Summary for KDELR3	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. [provided by RefSeq, Jul 2013]

UniProt Comments for KDELR3	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 ().
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