KDEL receptor monoclonal antibody (KR-10)

The tetrapeptide KDEL, located at the carboxy-terminal sequences of luminal proteins, is a retrieval motif essential for the precise sorting of these proteins along the secretory pathway. KDEL proteins perform essential functions in the endoplasmic reticulum (ER) related to protein folding as well as assembly. The localization of chaperones and other soluble proteins to the ER is achieved by their continuous retrieval from post-ER compartments by the KDEL receptor (Erd2p), which is a membrane protein localized in the Golgi apparatus.

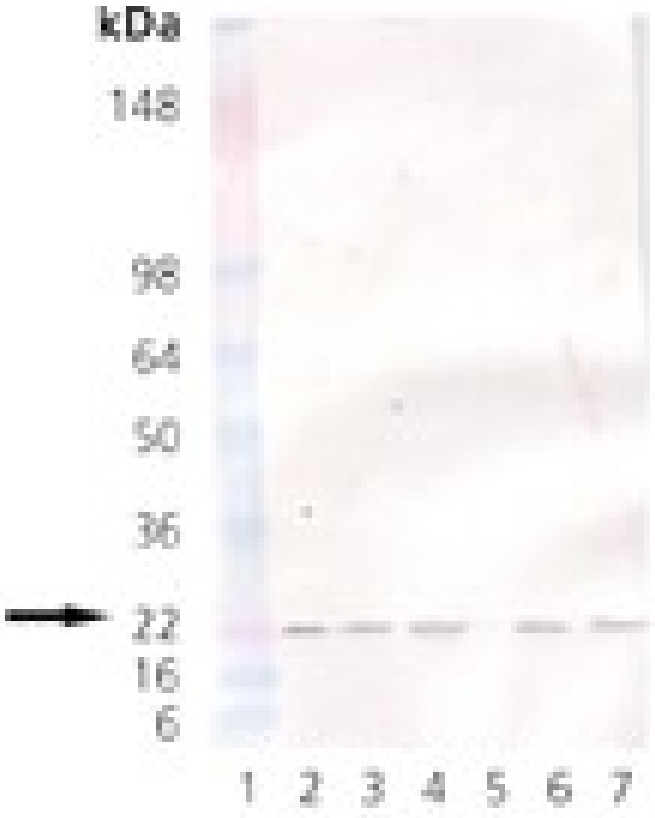
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ADI-VAA-PT048-D	50µl
ADI-VAA-PT048-F	200µl

Manuals, SDS & CofA View Online »



Western blot analysis: Lane 1: MW marker, Lane 2: 20µg of HeLa cell lysate (heat shocked), Lane 3: 20µg of 3T3 cell lysate, Lane 4: 20µg of PC-12 cell lysate, Lane 5: 20µg of CHO-K1 cell lysate, Lane 6: 20µg of 3T3 cell lysate (heat shocked), Lane 7: 20µg of PC-12 cell lysate (heat shocked) probed with KDEL Receptor mAb at 1:250.

Handling & Storage

Handling	Avoid freeze/thaw cycles.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Lys-Asp-Glu-Leu, Lysine-aspartic acid-glutamate-leucine
Application	IHC, WB
Application Notes	Detects a band of ~23kDa by Western blot.
Clone	KR-10
Formulation	Liquid. Mouse ascites fluid containing 0.09% sodium azide.
Host	Mouse
Immunogen	Synthetic peptide corresponding to a portion of bovine KDEL Receptor.
Isotype	IgG1
Purity Detail	Ascites.
Recommendation Dilutions/Conditions	Western Blot (1:250, colorimetric)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Source	Purified from mouse ascites.
Species Reactivity	Human, Mouse, Rat
Technical Info / Product Notes	Recommended by the Human Protein Atlas Organization for IHC (Ensembl No. ENSG00000105438).

UniProt ID	P33946 (KDELR1), Q2KJ37 (KDELR2)

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