abcam

Product datasheet

Anti-KDEL antibody ab2898

1 Abreviews 4 References 5 图像

概述

产品名称	Anti-KDEL抗体
描述	**兔多克隆抗体**to KDEL
宿主	Rabbit
经测试应用	**适用于:** Flow Cyt, ICC/IF, IHC-P
种属反应性	**与反应:** Mouse, Human
免疫原	Synthetic peptide corresponding to Rat KDEL aa 643-654. Sequence: TGEEDTSEKDEL Run BLAST with Run BLAST with
阳性对照	IHC: Mouse lymph node, pancreas and liver tissues. ICC/IF: human U251 cells Flow Cyt: human HeLa cells
常规说明	This antibody can be used as an endoplasmic reticulum (ER) marker. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.05% Sodium azide Constituent: 99% PBS
纯度	Immunogen affinity purified
克隆	**多克隆**
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab2898于以下的经测试应用**

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

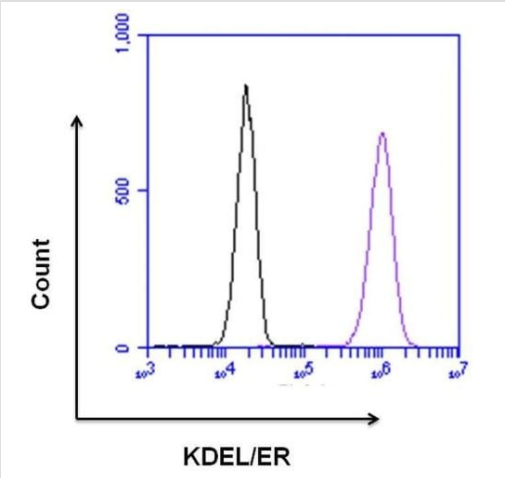
应用	Ab评论	说明
Flow Cyt		Use a concentration of 1 - 20 µg/ml.
ICC/IF		Use at an assay dependent concentration.
IHC-P	★★★★☆ (1)	1/100 - 1/200.

靶标

相关性 The sequence Lys-Asp-Glu-Leu (KDEL) or a closely related sequence, is present at the carboxy-terminus of soluble endoplasmic reticulum (ER) resident proteins and some membrane proteins. 78 and 94 kDa glucose regulated proteins (GRP 78) and GRP 94 respectively and protein disulfide isomerase (PDI) all share the C-terminal KDEL sequence. The presence of carboxy-terminal KDEL appears to be necessary for ER retention and appears to be sufficient to reduce the secretion of proteins from the ER. This retention is reported to be mediated by a KDEL receptor.

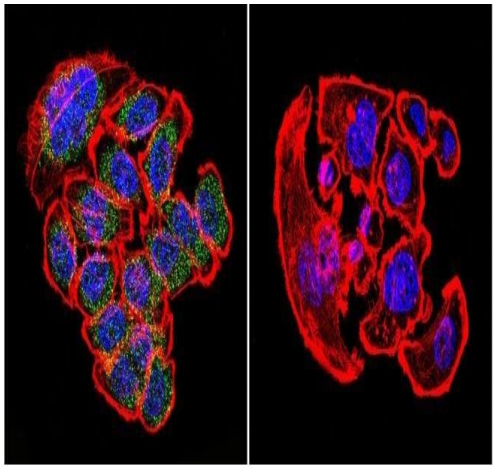
细胞定位 Endoplasmic reticulum

图片



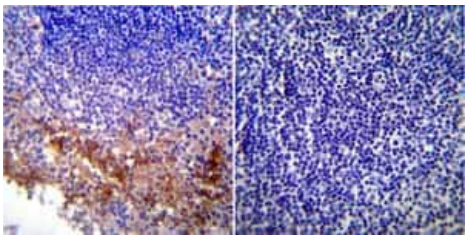
Flow Cytometry - Anti-KDEL antibody (ab2898)

Flow cytometry analysis of HeLa (Human epithelial cell line from cervix adenocarcinoma) cells labeling KDEL with ab2898 (purple) or a rabbit IgG isotype control (black) at a 10 µg/mL. After incubation for 1 hour on ice, the cells were labeled with a Goat anti-Rabbit IgG (H+L) secondary antibody, Alexa Fluor® 647 conjugate at 1/50 dilution for 1 hour on ice. A representative 10,000 cells were acquired and analyzed for each sample.



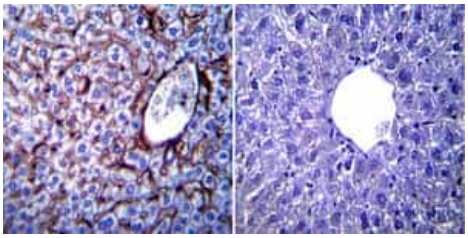
Immunocytochemistry/ Immunofluorescence - Anti-KDEL antibody (ab2898)

Immunofluorescent analysis of U-251 MG (Human brain glioma cell line) cells labeling KDEL (green) with ab2898. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with ab2898 at 1/200 dilution overnight at 4 C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody. F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Images were taken at 60X magnification.



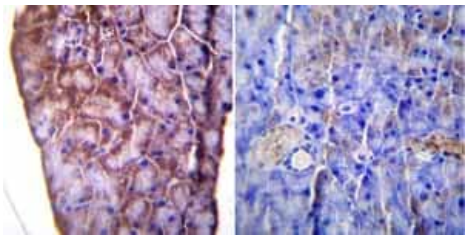
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-KDEL antibody (ab2898)

Immunohistochemistry was performed on normal biopsies of deparaffinized Mouse lymph node tissue. To expose target proteins heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:200 with a rabbit polyclonal antibody recognizing KDEL ab2898 or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP followed by colorimetric detection using DAB. Tissues were counterstained with hematoxylin and prepped for mounting.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-KDEL antibody (ab2898)

Immunohistochemistry was performed on normal biopsies of deparaffinized Mouse liver tissue. To expose target proteins heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:100 with a rabbit polyclonal antibody recognizing KDEL ab2898 or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP followed by colorimetric detection using DAB. Tissues were counterstained with hematoxylin and prepped for mounting.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-KDEL antibody (ab2898)

Immunohistochemistry was performed on normal biopsies of deparaffinized Mouse pancreas tissue. To expose target proteins heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:100 with a rabbit polyclonal antibody recognizing KDEL ab2898 or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP followed by colorimetric detection using DAB. Tissues were counterstained with hematoxylin and prepped for mounting.

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