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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-KDEL Antibody

Rabbit Anti-KDEL Polyclonal
Catalog No. SPC-109



Discovery through partnership | Excellence through quality

Overview

Product Name

KDEL Antibody

Description

Rabbit Anti-KDEL Polyclonal

Species Reactivity

Human, Mouse, Rat

Applications

WB, ICC/IF, IHC

Antibody Dilution

WB (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.

Host Species

Rabbit

Immunogen

KDEL containing peptide immunogen

Concentration

1 mg/ml

Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

Properties

Storage Buffer

PBS pH7.2, 50% glycerol, 0.09% sodium azide

Storage Temperature

-20°C

Shipping Temperature

Blue Ice or 4°C

Purification

Protein A purified

Clonality

Polyclonal

Specificity

Detects KDEL proteins, GRP94, Grp78, PDI and calreticulin. It may also see ERp57 and ERp29.

Cite This Product

Rabbit Anti- KDEL Polyclonal (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SPC-109)

Certificate Of Analysis

A 1:1000 dilution of SPC-109 was sufficient for detection of KDEL-containing proteins in 20 µg of HeLa cell lysate by ECL immunoblot analysis using goat anti-mouse IgG as the secondary.

Biological Description

Alternative Names

Lys Asp Glu Leu Antibody

Research Areas

Cell Signaling, Chaperones, Organelle Markers, Trafficking

Cellular Localization

Endoplasmic Reticulum

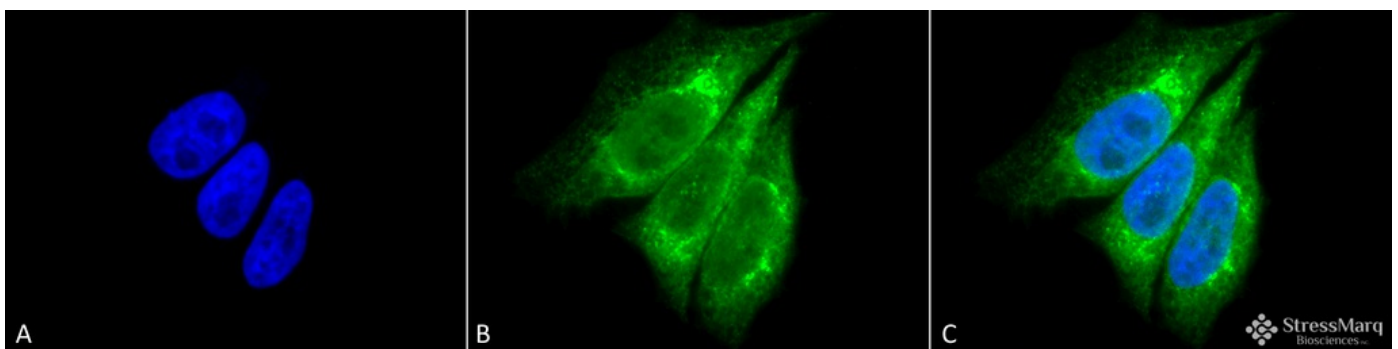
Scientific Background

The endoplasmic reticulum is part of a protein sorting pathway, or in essence, the transportation system of the eukaryotic cell. The majority of endoplasmic reticulum resident proteins are retained in the endoplasmic reticulum through a retention motif. This motif is composed of four amino acids at the C-terminal end of the protein sequence. The most common retention sequence is KDEL (lys-asp-glu-leu). Grp78 and Grp94 and 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.

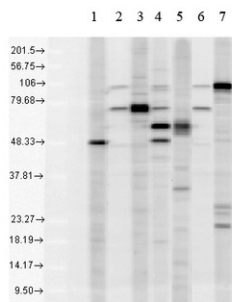
References

1. Ozawa K., et al. (2008) Mol Pharmacol. 74:1610.
2. Austin R.C., et al. (2003) J Biol Chem. 278: 17438.

Product Images

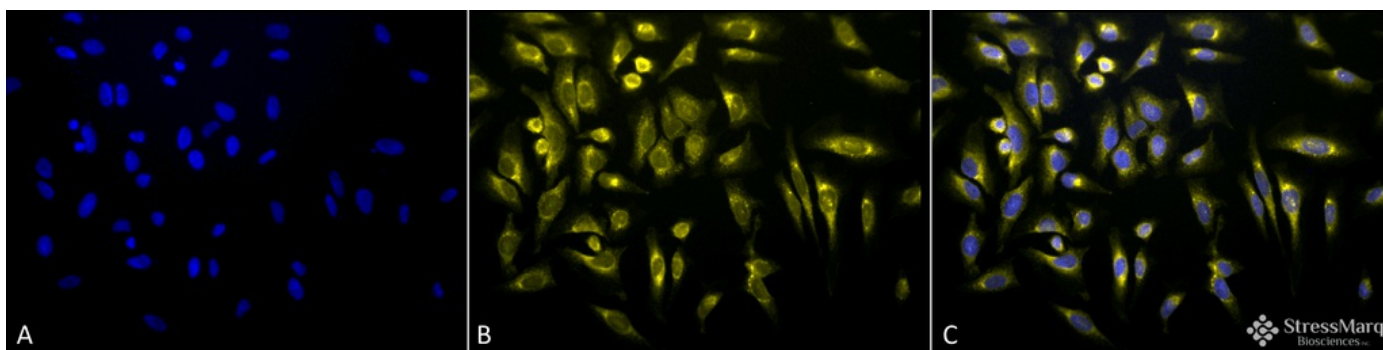


Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-KDEL Polyclonal Antibody (SPC-109). Tissue: Heat Shocked HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Rabbit Anti-KDEL Polyclonal Antibody (SPC-109) at 1:100 for 12 hours at 4°C. Secondary Antibody: FITC Goat Anti-Rabbit (green) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Endoplasmic reticulum. Magnification: 100x. (A) DAPI (blue) nuclear stain. (B) Anti-KDEL Antibody. (C) Composite. Heat Shocked at 42°C for 30 min.



1. PDI control antibody
 2. KDEL control antibody clone 10C3
 3. Grp78 control antibody
 4. SPC-109
 5. Calreticulin control antibody
 6. KDEL control antibody clone10C3
 7. Grp94 control antibody
 Mixed human cell lysate (300ug/gel); 1/1000 dilutions;
 KDEL(10C3) control antibody 1:500 dilution

Western blot analysis of Human Cell line lysates showing detection of KDEL protein using Rabbit Anti-KDEL Polyclonal Antibody (SPC-109). Primary Antibody: Rabbit Anti-KDEL Polyclonal Antibody (SPC-109) at 1:1000, 1:500.



Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-KDEL Polyclonal Antibody (SPC-109). Tissue: Heat Shocked HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Rabbit Anti-KDEL Polyclonal Antibody (SPC-109) at 1:100 for 12 hours at 4°C. Secondary Antibody: R-PE Goat Anti-Rabbit (yellow) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Endoplasmic reticulum. Magnification: 20x. (A) DAPI (blue) nuclear stain. (B) Anti-KDEL Antibody. (C) Composite. Heat Shocked at 42°C for 30 min.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.