abcam

Product datasheet

Anti-KDEL Receptor antibody [2E7] ab96720

1 Image

Overview

Product name	Anti-KDEL Receptor antibody [2E7]
Description	Mouse monoclonal [2E7] to KDEL Receptor
Host species	Mouse
Tested applications	**Suitable for:** IHC-P
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide corresponding to Saccharomyces cerevisiae KDEL Receptor (C terminal). Database link: **P18414**
Positive control	IHC-P: Human kidney tissue.
General notes	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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), PBS
Purity	Protein G purified
Clonality	Monoclonal
Clone number	2E7
Isotype	IgG2b

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab96720 in the following tested applications.

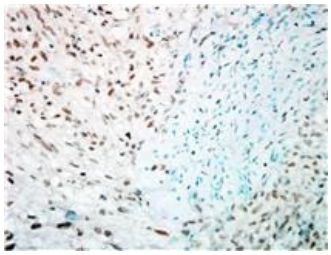
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.

Target

Function	Required for the retention of luminal endoplasmic reticulum resident proteins via vesicular recycling. This receptor recognizes the C-terminal K-D-E-L motif. COPI-coated transport intermediates, either in the form of round vesicles or as tubular processes, mediate retrograde traffic of the KDEL receptor-ligand complexes. Also required for normal vesicular traffic through the Golgi.
Sequence similarities	Belongs to the ERD2 family.
Post-translational modifications	Phosphorylation by PKA at Ser-209 is required for endoplasmic reticulum retention function.
Cellular localization	Cytoplasmic vesicle, COPI-coated vesicle membrane. Endoplasmic reticulum membrane. Endoplasmic reticulum-Golgi intermediate compartment membrane.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-KDEL Receptor antibody [2E7] (ab96720)

ab96720 at 1/20,000 dilution staining KDEL Receptor in a human kidney tissue section by Immunohistochemistry (Formalin/PFA fixed paraffin-embedded sections). Secondary antibody was biotinylated Goat anti-mouse. Picture at 400X magnification.

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