abcam

Product datasheet

Anti-TOR1AIP1 antibody [RL13] ab2737

6 References 4 Images

Overview

Product name	Anti-TOR1AIP1 antibody [RL13]
Description	Mouse monoclonal [RL13] to TOR1AIP1
Host species	Mouse
Tested applications	**Suitable for:** IHC-P, ICC/IF
Species reactivity	**Reacts with:** Mouse, Rat
Immunogen	Full length protein corresponding to Rat TOR1AIP1. This is a Pore complex-lamina fraction isolated from rat liver nuclear envelopes.
Positive control	IHC-P: Rat lymph node, breast, colon tissue. ICC: NS-1 cells.
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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide Constituent: PBS
Purity	IgG fraction
Clonality	Monoclonal
Clone number	RL13
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab2737 in the following tested applications.

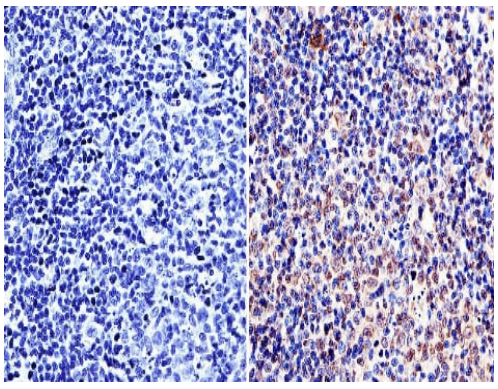
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/20 - 1/50.
ICC/IF		1/100.

Target

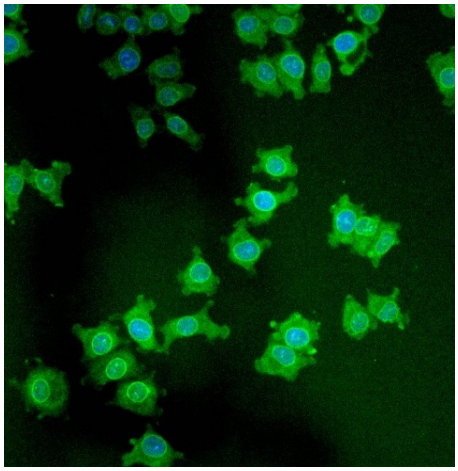
Function	Binds to A- and B-type lamins. Possible role in membrane attachment and assembly of the nuclear lamina.
Sequence similarities	Belongs to the TOR1AIP family.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Nucleus inner membrane.

Images



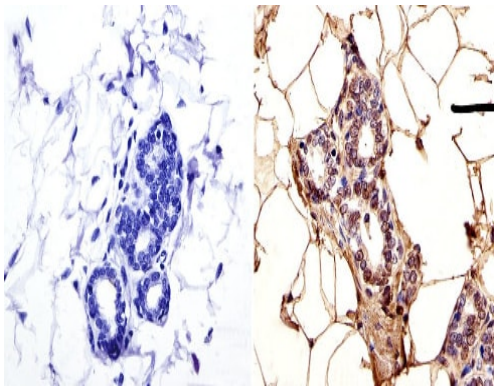
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TOR1AIP1 antibody [RL13] (ab2737)

Immunohistochemical analysis (Formalin/PFA-fixed paraffin-embedded sections) of rat lymph node tissue labeling TOR1AIP1. Antigen retreived was performed using 10mM sodium citrate followed by microwave treatment for 8-15 minutes. Endogenous peroxidases were blocked in 3% H202-methanol for 15 minutes and tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Cells were incubated with ab2737 at 1/50 dilution overnight in a humidified chamber. Tissues were washed in PBST and detection was performed using a secondary antibody conjugated to HRP. DAB staining buffer was applied and tissues were counterstained with hematoxylin and prepped for mounting. Images were taken at 40X magnification.



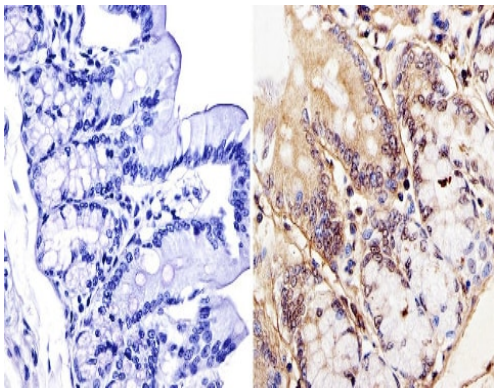
Immunocytochemistry/ Immunofluorescence - Anti-TOR1AIP1 antibody [RL13] (ab2737)

Immunocytochemical analysis of NS-1 (Mouse myeloma cell line) cells labeling TOR1AIP1 with ab2737 at 1/100 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TOR1AIP1 antibody [RL13] (ab2737)

Immunohistochemical analysis (Formalin/PFA-fixed paraffin-embedded sections) rat breast tissue labeling TOR1AIP1. Antigen retreived was performed using 10mM sodium citrate followed by microwave treatment for 8-15 minutes. Endogenous peroxidases were blocked in 3% H202-methanol for 15 minutes and tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Cells were incubated with ab2737 1/50 dilution overnight in a humidified chamber. Tissues were washed in PBST and detection was performed using a secondary antibody conjugated to HRP. DAB staining buffer was applied and tissues were counterstained with hematoxylin and prepped for mounting. Images were taken at 40X magnification.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TOR1AIP1 antibody [RL13] (ab2737)

Immunohistochemical analysis of (Formalin/PFA-fixed paraffin-embedded sections) rat colon tissue labeling TOR1AIP1. Antigen retreived was performed using 10mM sodium citrate followed by microwave treatment for 8-15 minutes. Endogenous peroxidases were blocked in 3% H202-methanol for 15 minutes and tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Cells were incubated with ab2737 at 1/50 dilution overnight in a humidified chamber. Tissues were washed in PBST and detection was performed using a secondary antibody conjugated to HRP. DAB staining buffer was applied and tissues were counterstained with hematoxylin and prepped for mounting. Images were taken at 40X magnification.

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