

Anti-Nucleolin antibody [364-5] ab136649

★★★★★ [2 Abreviews](#) [11 References](#) [7 图像](#)

概述

产品名称	Anti-Nucleolin抗体[364-5]
描述	小鼠单克隆抗体[364-5] to Nucleolin
宿主	Mouse
经测试应用	适用于: ICC/IF, IHC-P, WB, IP, Flow Cyt
种属反应性	与反应: Human 不与反应: Mouse, Rat, Cow
免疫原	Tissue, cells or virus. This information is considered to be commercially sensitive.
阳性对照	HeLa and HDFn cells; HepG2, HDFn and SH-SY5Y whole cell lysates.
常规说明	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>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.</p> <p>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</p> <p>Product was previously marketed under the MitoSciences sub-brand.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.88% Sodium chloride, 0.36% HEPES
纯化说明	ab136649 is purified by biochemical fractionation. Near homogeneity as judged by SDS-PAGE.
克隆	单克隆
克隆编号	364-5

同种型

IgG1

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用 ab136649 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
ICC/IF	★★★★★ (2)	Use a concentration of 1 µg/ml.
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 76 kDa.
IP		Use a concentration of 1 µg/ml.
Flow Cyt		Use a concentration of 1 µg/ml. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

靶标

功能

Nucleolin is the major nucleolar protein of growing eukaryotic cells. It is found associated with intranucleolar chromatin and pre-ribosomal particles. It induces chromatin decondensation by binding to histone H1. It is thought to play a role in pre-rRNA transcription and ribosome assembly. May play a role in the process of transcriptional elongation. Binds RNA oligonucleotides with 5'-UUAGGG-3' repeats more tightly than the telomeric single-stranded DNA 5'-TTAGGG-3' repeats.

序列相似性

Contains 4 RRM (RNA recognition motif) domains.

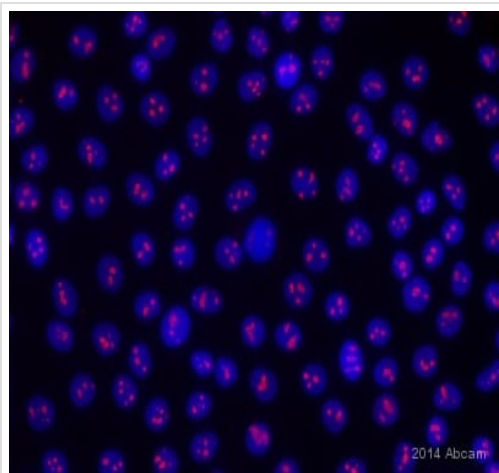
翻译后修饰

Some glutamate residues are glycylylated by TTL8. This modification occurs exclusively on glutamate residues and results in a glycine chain on the gamma-carboxyl group.

细胞定位

Nucleus > nucleolus. Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

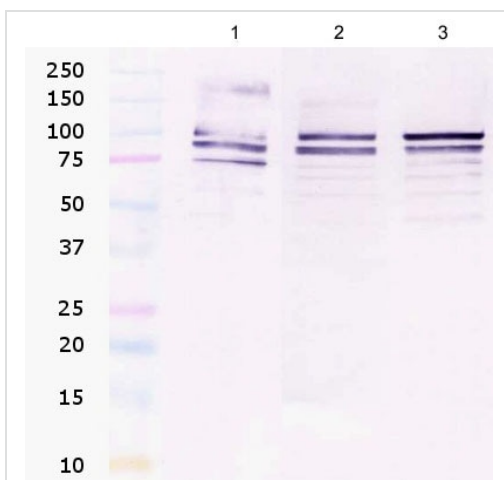
图片



Immunocytochemistry/ Immunofluorescence - Anti-Nucleolin antibody [364-5] (ab136649)

This image is courtesy of an anonymous Abreview

ab136649 staining Nucleolin in human breast cell line by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with formaldehyde, permeabilized with 5% Triton X-100 in PBS and blocked with 5% BSA for 1 hour at 25°C. Samples were incubated with primary antibody (1/1000) for 1 hour. An undiluted Alexa Fluor® 546-conjugated anti-mouse IgG polyclonal was used as the secondary antibody.



Western blot - Anti-Nucleolin antibody [364-5] (ab136649)

All lanes : Anti-Nucleolin antibody [364-5] (ab136649) at 1 µg/ml

Lane 1 : HepG2 whole cell lysate at 20 µg

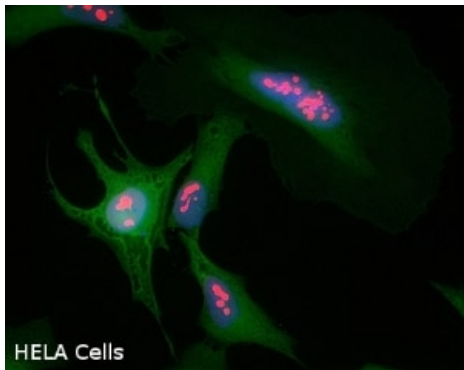
Lane 2 : HDFn whole cell lysate at 25 µg

Lane 3 : SH-SY5Y whole cell lysate at 20 µg

Secondary

All lanes : Goat polyclonal to Mouse IgG - AP at 1/3000 dilution

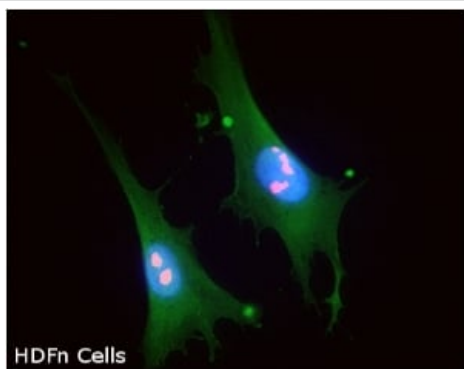
Predicted band size: 76 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Nucleolin antibody [364-5] (ab136649)

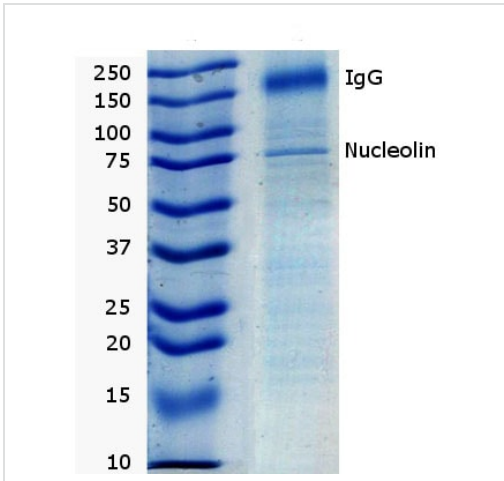
Immunocytochemical analysis of HeLa cells (paraformaldehyde fixed (4%, 20 min) and Triton X-100 permeabilized (0.1%, 15 min)) labelling Nucleolin with ab136649 at 1 μ g/ml (red) and anti-GAPDH (**ab110305**) in green, as a counter stain.

Secondary: Alexa 594 goat anti-mouse IgG1 at a 1/1000 dilution.



Immunocytochemistry/ Immunofluorescence - Anti-Nucleolin antibody [364-5] (ab136649)

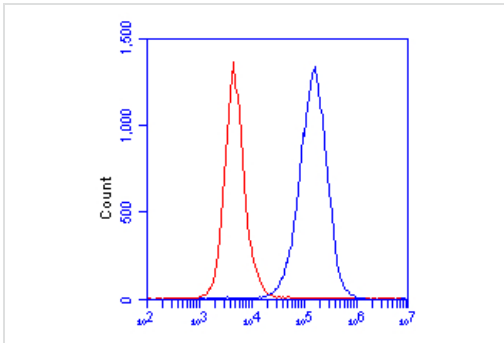
Immunocytochemical analysis of HDFn cells (paraformaldehyde fixed (4%, 20 min) and Triton X-100 permeabilized (0.1%, 15 min)) labelling Nucleolin with ab136649 at 1 μ g/ml (red) and anti-GAPDH (**ab110305**) in green, as a counter stain. Secondary: Alexa 594 goat anti-mouse IgG1 at a 1/1000 dilution.



Immunoprecipitation - Anti-Nucleolin antibody [364-5] (ab136649)

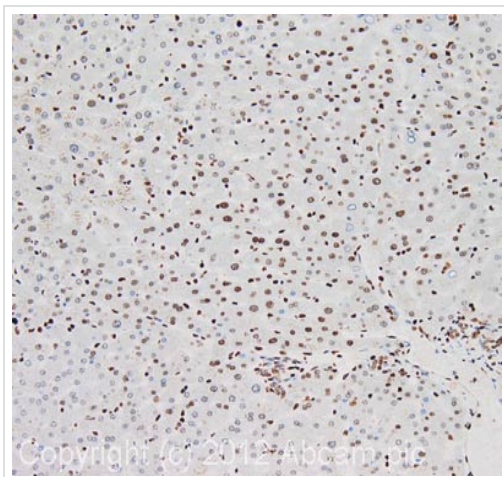
Detection of Nucleolin by Immunoprecipitation.

Nucleolin in HepG2 cell lysate (1 mg) was immunoprecipitated using 1 µg ab136649 antibody. The gel was stained with Coomassie brilliant blue G.



Flow Cytometry - Anti-Nucleolin antibody [364-5] (ab136649)

Flow Cytometric analysis of HeLa cells (fixed and permeabilized with methanol) labelling Nucleolin with ab136649 (blue) at 1µg/ml or an equal amount of an isotype control antibody (red).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nucleolin antibody [364-5] (ab136649)

IHC image of nucleolin staining in human liver HCC formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab136649, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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