abcam

Product datasheet

Anti-Nup153 antibody [SA1] ab96462

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概述

产品名称	Anti-Nup153抗体[SA1]
描述	小鼠单克隆抗体[SA1] to Nup153
宿主	Mouse
经测试应用	**适用于:** ICC/IF, IHC-P, WB
种属反应性	**与反应:** Mouse, Rat, Hamster, Dog, Human, Pig
免疫原	GST-Nup153 C-terminal domain fusion protein
阳性对照	This antibody gave a positive signal in HepG2 cells (Immunocytochemistry). This antibody gave a positive result in IHC in the following FFPE tissue: Human breast adenocarcinoma.
常规说明	This antibody clone is manufactured by Abcam. If you require this antibody in a particular buffer formulation or a particular conjugate for your experiments, please contact orders@abcam.com or you can find further information here.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 6.97% L-Arginine
纯度	IgG fraction
克隆	单克隆
克隆编号	SA1
同种型	IgG

应用

Our Abpromise guarantee covers the use of **ab96462** in the following tested applications.

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

应用	Ab评论	说明
ICC/IF		Use a concentration of 1 µg/ml.
IHC-P		Use a concentration of 10 µg/ml.
WB	★★★★☆	Use at an assay dependent concentration.

靶标

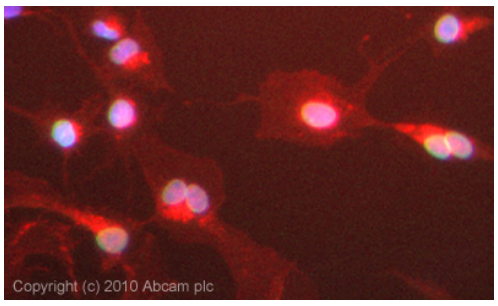
功能 Possible DNA-binding subunit of the nuclear pore complex (NPC). The repeat-containing domain may be involved in anchoring components of the pore complex to the pore membrane.

序列相似性 Contains 4 RanBP2-type zinc fingers.

结构域 Contains F-X-F-G repeats.

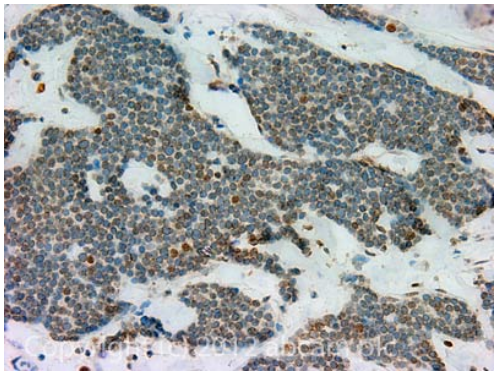
细胞定位 Nucleus > nuclear pore complex. Located to the terminal ring structure of the nucleoplasmic cage.

图片



Immunocytochemistry/ Immunofluorescence - Anti-Nup153 antibody [SA1] (ab96462)

ICC/IF image of ab96462 stained HepG2 cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab96462, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM. This antibody also gave a positive result in 4% PFA fixed (10 min) HeLa cells at 1µg/ml, and in 100% methanol fixed (5 min) HeLa cells at 1µg/ml.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nup153 antibody [SA1] (ab96462)

IHC image of Nup153 staining in Human breast adenocarcinoma formalin fixed paraffin embedded tissue section, performed on a Leica BondTM 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 ab96462, 10µg/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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