# abcam

## Product datasheet

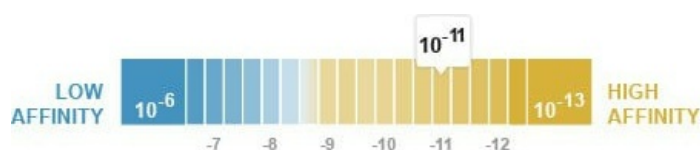# Anti-Nucleolin antibody [EPR7952] ab129200

重组 RabMAb

★★★★☆ **1 Abreviews**　　**11 References**　　8 图像

## 概述

| | |
|---|---|
| 产品名称 | Anti-Nucleolin抗体[EPR7952] |
| 描述 | 兔单克隆抗体[EPR7952] to Nucleolin |
| 宿主 | Rabbit |
| 经测试应用 | **适用于:** Flow Cyt (Intra), WB, IHC-P, ICC/IF<br>**不适用于:** IP |
| 种属反应性 | **与反应:** Mouse, Rat, Human |
| 免疫原 | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| 阳性对照 | WB: Fetal brain tissue lysate and K562, and HuT-78 cell lysates. IHC-P: Human colon, mouse liver and rat liver tissues. Flow Cyt (intra): HeLa cells. ICC/IF: HT-29 |
| 常规说明 | This product is a recombinant monoclonal antibody, which offers several advantages including:<br><br>- High batch-to-batch consistency and reproducibility<br>- Improved sensitivity and specificity<br>- Long-term security of supply<br>- Animal-free production<br>For more information **see here**.<br><br>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**. |

## 性能

| | |
|---|---|
| 形式 | Liquid |
| 存放说明 | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C. |
| 解离常数（$K_D$) | $K_D = 5.80 \times 10^{-11}$ M |



**Learn more about $K_D$**

| | |
|---|---|
| 存储溶液 | pH: 7.20 |

Preservative: 0.01% Sodium azide

Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant

| | |
|---|---|
| 纯度 | Protein A purified |
| 克隆 | 单克隆 |
| 克隆编号 | EPR7952 |
| 同种型 | IgG |

## 应用

**The Abpromise guarantee**　　**Abpromise™承诺保证使用ab129200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 |
|---|---|---|
| **Flow Cyt (Intra)** | | 1/2000. |
| **WB** | | 1/10000 - 1/50000. Detects a band of approximately 100 kDa (predicted molecular weight: 76 kDa). |
| **IHC-P** | ★★★★☆ (1) | 1/250 - 1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. |
| **ICC/IF** | | 1/100 - 1/250. |

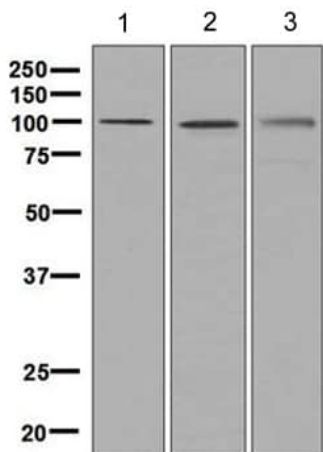| | |
|---|---|
| **应用说明** | Is unsuitable for IP. |

## 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 glycylated by TTLL8. 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

Western blot - Anti-Nucleolin antibody [EPR7952] (ab129200)

**All lanes :** Anti-Nucleolin antibody [EPR7952] (ab129200) at 1/10000 dilution

**Lane 1 :** Fetal brain lysate

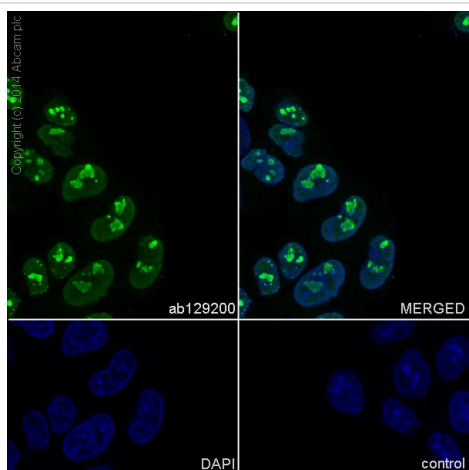**Lane 2 :** K562 cell lysate

**Lane 3 :** HuT-78 cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

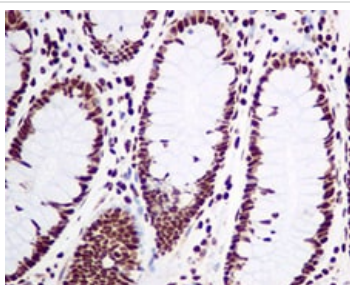**All lanes :** Goat anti-rabbit HRP at 1/2000 dilution

**Predicted band size:** 76 kDa
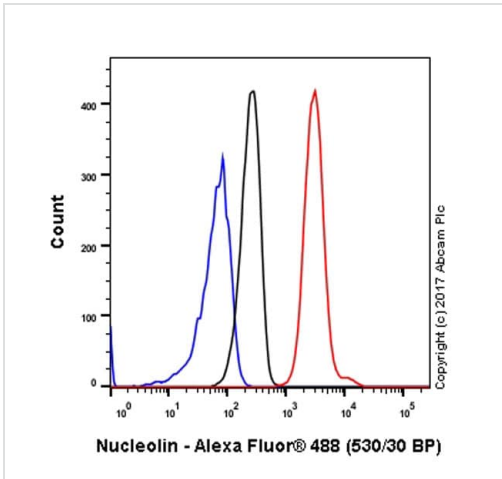
**Observed band size:** 100 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Nucleolin antibody [EPR7952] (ab129200)

Immunocytochemistry/ Immunofluorescence analysis of HT-29(Human colorectal adenocarcinoma epithelial cell) cells labeling Nucleolin with purified ab129200 at 1/500 dilution (4.5 µg/ml). Cells were fixed in 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 dilution (2 µg/ml) dilution. DAPI was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.
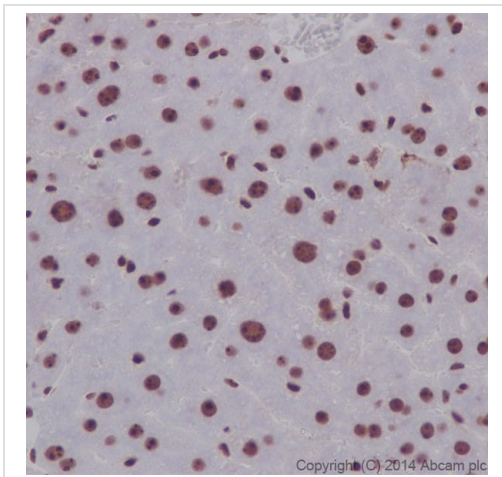


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nucleolin antibody [EPR7952] (ab129200)

ab129200, at 1/250 dilution, staining Nucleolin in paraffin-embedded Human colon tissue by Immunohistochemistry.
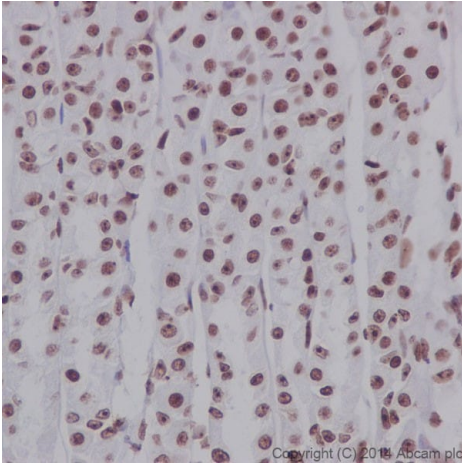
Flow Cytometry (Intracellular) - Anti-Nucleolin antibody [EPR7952] (ab129200)

Intracellular Flow Cytometry analysis of HeLa (human cervix adenocarcinoma) cells labeling Nucleolin (red) with ab129200 at a 1/2000 dilution. Cells were fixed with 80% methanol and permeabilized with 0.1% Tween-20. A goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) was used as the secondary antibody at a 1/2000 dilution. Black - Rabbit monoclonal IgG (**ab172730**). Blue (unlabeled control) - Cells without incubation with the primary and secondary antibodies.
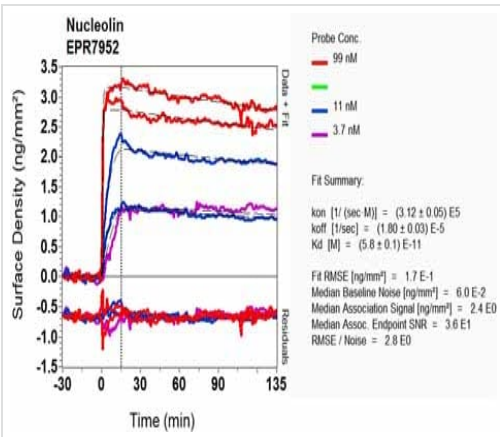


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nucleolin antibody [EPR7952] (ab129200)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse liver tissue labelling Nucleolin with ab129200 at 1/500. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. A ready to use HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody. Counterstained with hematoxylin.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nucleolin antibody [EPR7952] (ab129200)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat liver tissue labelling Nucleolin with ab129200 at 1/500. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. A ready to use HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody. Counterstained with hematoxylin.



OI-RD Scanning - Anti-Nucleolin antibody [EPR7952] (ab129200)

Equilibrium disassociation constant ($K_D$)

Learn more about $K_D$

**Click here to learn more about $K_D$**



Anti-Nucleolin antibody [EPR7952] (ab129200)

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