

### Anti-Nestin antibody [10C2] - Neural Stem Cell Marker ab22035

★★★★★ [8 Abreviews](#) [137 References](#) [4 图像](#)

#### 概述

|       |   |
|-------|---|
| 产品名称  | Anti-Nestin抗体[10C2] - Neural Stem Cell Marker   |
| 描述    | 小鼠单克隆抗体[10C2] to Nestin - Neural Stem Cell Marker   |
| 宿主    | Mouse   |
| 经测试应用 | 适用于: ICC, WB  |
| 种属反应性 | 与反应: Human  |
| 免疫原   | Recombinant fragment corresponding to Human Nestin aa 1-1621.<br>Database link: <a href="#">P48681</a>  |
| 阳性对照  | WB: U251 cells. ICC: U251 cells. Human brain tissue.  |
| 常规说明  | <p>Monoclonal antibody 10C2 was derived by fusion of P3x63Ag8.653 myeloma cells with spleen cells from a BALB/c mouse immunized with a 150-amino-acid fragment from the cloned human nestin, conjugated to glutathione S-transferase.</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&amp;As</p> |

#### 性能

|      |   |
|------|---|
| 形式   | Liquid  |
| 存放说明 | Shipped at 4°C. Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| 存储溶液 | Preservative: 0.09% Sodium azide<br>Constituent: 59% PBS                                    |
| 纯度   | Protein G purified  |
| 克隆   | 单克隆   |
| 克隆编号 | 10C2  |
| 同种型  | IgG1  |

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab22035于以下的经测试应用

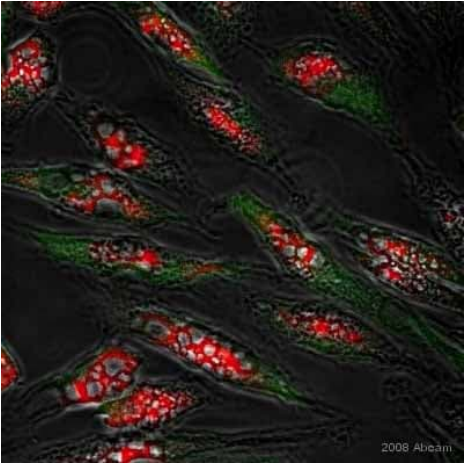
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用  | Ab评论 | 说明  |
|-----|------|---|
| ICC |      | Use at an assay dependent concentration.  |
| WB  |      | 1/1000 - 1/5000. Predicted molecular weight: 176 kDa.<br>1/1000 - 1/5000 using chemiluminescent detection. Predicted molecular weight: 176 kDa. |

靶标

|       |   |
|-------|---|
| 功能    | Required for brain and eye development. Promotes the disassembly of phosphorylated vimentin intermediate filaments (IF) during mitosis and may play a role in the trafficking and distribution of IF proteins and other cellular factors to daughter cells during progenitor cell division. Required for survival, renewal and mitogen-stimulated proliferation of neural progenitor cells. |
| 组织特异性 | CNS stem cells.   |
| 序列相似性 | Belongs to the intermediate filament family.  |
| 发展阶段  | Upon terminal neural differentiation, nestin is down-regulated and replaced by neurofilaments.  |
| 翻译后修饰 | Constitutively phosphorylated. This increases during mitosis when the cytoplasmic intermediate filament network is reorganized.   |

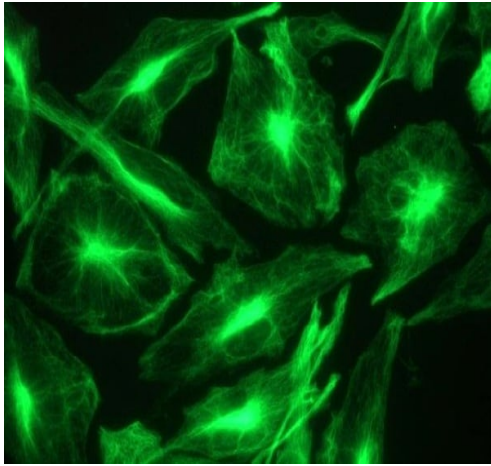
图片



Immunocytochemistry - Anti-Nestin antibody [10C2]  
- Neural Stem Cell Marker (ab22035)

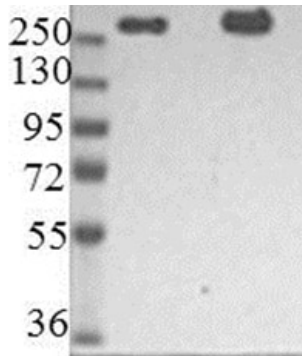
This image is courtesy of an Abreview submitted by Dr Amal Shervington

ab22035 staining human brain tissue cells by ICC/IF. Cells were PFA fixed and permeabilized in Triton X-100 prior to blocking in 1% BSA for 30 minutes at 21°C. The primary antibody was diluted 1/100 and incubated with the samples for 1 hour at 21°C. A FITC conjugated goat anti-mouse IgG antibody, diluted 1/250, was used as the secondary.



Immunocytochemistry - Anti-Nestin antibody [10C2]  
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ICC/IF of U251 cells staining intracellular Nestin filaments with  
ab22035



Western blot - Anti-Nestin antibody [10C2] - Neural  
Stem Cell Marker (ab22035)

**Lane 1 :** Anti-Nestin antibody [10C2] - Neural Stem Cell Marker  
(ab22035) at 1/1000 dilution

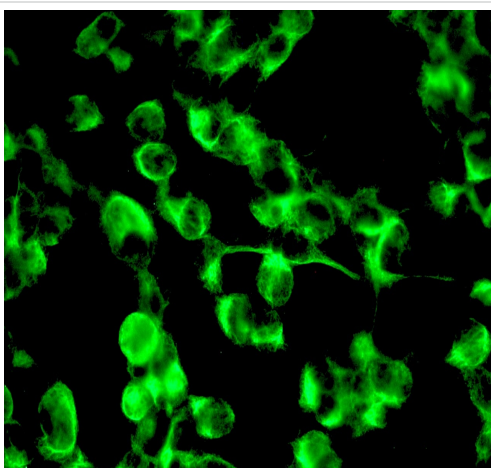
**Lane 2 :** Anti-Nestin antibody [10C2] - Neural Stem Cell Marker  
(ab22035)

**Lane 1 :** U251 cells at 10 µl

**Lane 2 :** U251 cells at 20 µl

**Predicted band size:** 176 kDa

**Exposure time:** 60 seconds



Immunocytochemistry - Anti-Nestin antibody [10C2]  
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Immunostaining of intracellular nestin filaments in cultured SH-SY-5Y  
neuronal cells using ab22035 (1:100 dilution).

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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