

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

★★★★★ **8 Abreviews** **137 References** 画像数 4

製品の概要

製品名	Anti-Nestin antibody [10C2] - Neural Stem Cell Marker
製品の詳細	Mouse monoclonal [10C2] to Nestin - Neural Stem Cell Marker
由来種	Mouse
アプリケーション	適用あり: ICC, WB
種交差性	交差種: Human
免疫原	Recombinant fragment corresponding to Human Nestin aa 1-1621. Database link: P48681
ポジティブ・コントロール	WB: U251 cells. ICC: U251 cells. Human brain tissue.
特記事項	<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&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.09% Sodium azide Constituent: 59% PBS
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	10C2
アイソタイプ	IgG1

アプリケーション

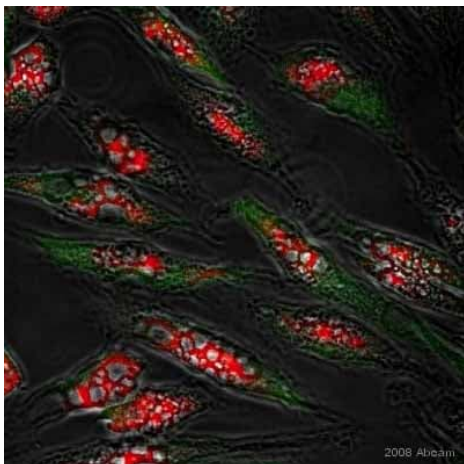
The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab22035の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC		Use at an assay dependent concentration.
WB		1/1000 - 1/5000. Predicted molecular weight: 176 kDa. 1/1000 - 1/5000 using chemiluminescent detection. Predicted molecular weight: 176 kDa.

ターゲット情報

機能	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.
組織特異性	CNS stem cells.
配列類似性	Belongs to the intermediate filament family.
発生段階	Upon terminal neural differentiation, nestin is down-regulated and replaced by neurofilaments.
翻訳後修飾	Constitutively phosphorylated. This increases during mitosis when the cytoplasmic intermediate filament network is reorganized.

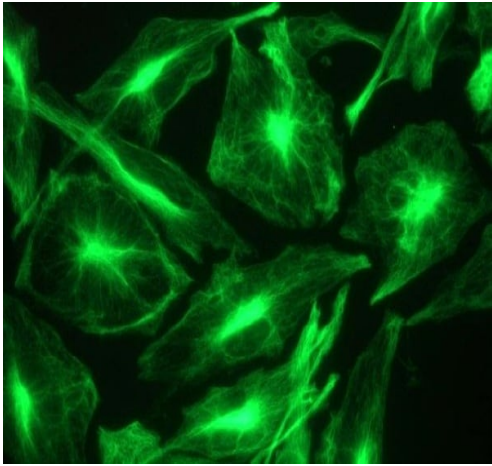
画像



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.

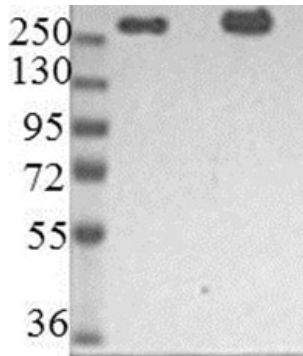
Immunocytochemistry - Anti-Nestin antibody [10C2]
- Neural Stem Cell Marker (ab22035)

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



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

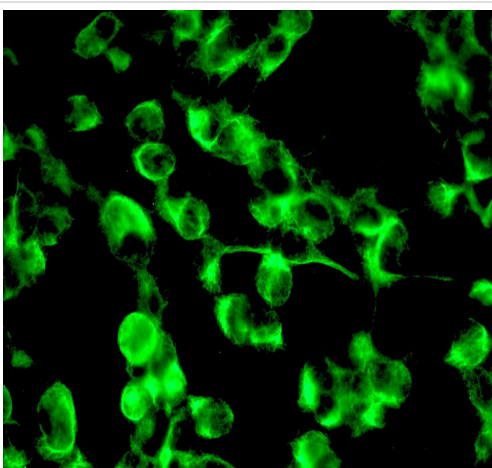
Lane 2 : Anti-Nestin antibody [10C2] - Neural Stem Cell Marker
(ab22035)

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]
- Neural Stem Cell Marker (ab22035)

Immunostaining of intracellular nestin filaments in cultured SH-SY-5Y
neuronal cells using ab22035 (1:100 dilution).

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