




Anti-Nestin antibody - Neural Stem Cell Marker ab7659

★★★★★ [9 Abreviews](#) [17 References](#) [画像数 2](#)

製品の概要

製品名	Anti-Nestin antibody - Neural Stem Cell Marker
製品の詳細	Rabbit polyclonal to Nestin - Neural Stem Cell Marker
由来種	Rabbit
特異性	Detects a band at 200kDa representing Nestin in MEFs. Denaturing of WB protein lysate causes loss of Nestin immunoreactivity in WB.
アプリケーション	適用あり: WB 適用なし: ICC/IF or IHC-P
種交差性	交差種: Mouse 交差が予測される動物種: Rat, Rabbit, Hamster 
免疫原	Synthetic peptide: ALETESQDSAEPGSEE , corresponding to amino acids 1481-1497 of Human Nestin.  Run BLAST with  Run BLAST with
特記事項	ab7659 has been upgraded from Fast Track status based on data obtained in a new batch of this antibody. 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. 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

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride
精製度	Immunogen affinity purified

ポリ/モノ
アイソタイプ

ポリクローナル
IgG

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ab7659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確認ください。

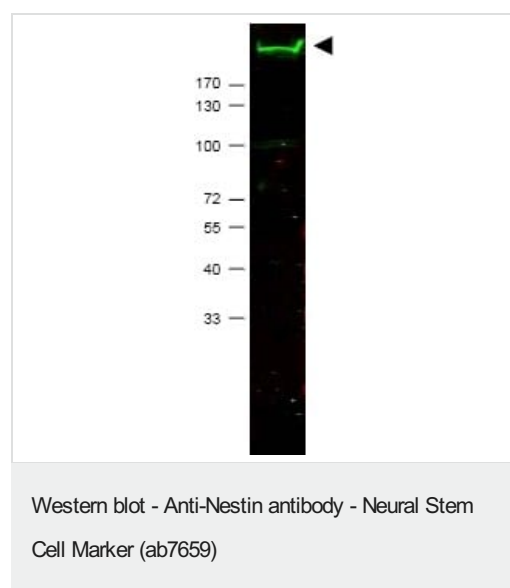
アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	1/500 - 1/3000. Detects a band of approximately 200 kDa (predicted molecular weight: 176 kDa). Do not denature WB protein lysate, denaturing results in loss of Nestin specific immunoreactivity (See Abreview).

追加情報 Is unsuitable for ICC/IF or IHC-P.

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



Anti-Nestin antibody - Neural Stem Cell Marker (ab7659) at 1/2000
dilution + MEF whole cell lysate at 30 µg

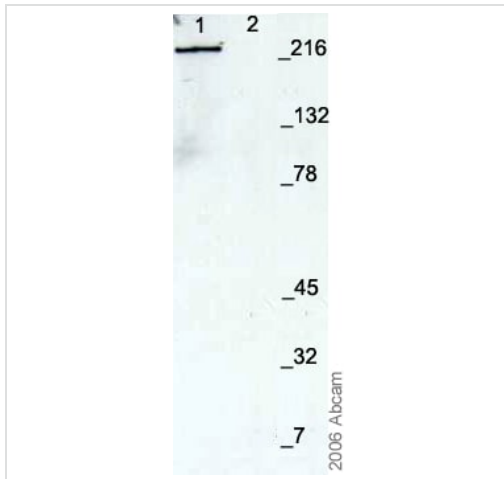
Secondary

IRDye 800
conjugated Goat anti-Rabbit IgG [H&L] at 1/10000 dilution

Performed under reducing conditions.

Predicted band size: 176 kDa

Observed band size: 200 kDa



Western blot - Anti-Nestin antibody - Neural Stem Cell Marker (ab7659)

This image is courtesy of Randal Moldrich, CNRS UMR7637, ESPCI, France

All lanes : Anti-Nestin antibody - Neural Stem Cell Marker (ab7659) at 1 µg/ml

Lane 1 : Mouse neural precursors whole cell lysate reduced but not denatured

Lane 2 : Mouse neural precursors whole cell lysate reduced and denatured

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-rabbit IgG HRP at 1/20000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 176 kDa

Observed band size: 230 kDa

Exposure time: 10 minutes

A slightly higher band obtained than expected, but as predicted in the datasheet. Denaturing of the WB lysate results in a loss of Nestin specific immunoreactivity. NB: Equal protein loading was verified.

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