




Anti-Nestin antibody - Neural Stem Cell Marker ab7659

★★★★★ [9 Abreviews](#) [17 References](#) [2 图像](#)

概述

产品名称	Anti-Nestin抗体- Neural Stem Cell Marker
描述	兔多克隆抗体to Nestin - Neural Stem Cell Marker
宿主	Rabbit
特异性	Detects a band at 200kDa representing Nestin in MEFs. Denaturing of WB protein lysate causes loss of Nestin immunoreactivity in WB.
经测试应用	适用于: WB 不适用于: ICC/IF or IHC-P
种属反应性	与反应: Mouse 预测可用于: Rat, Rabbit, Hamster 
免疫原	Synthetic peptide: ALETESQDSAEPGSEE , corresponding to amino acids 1481-1497 of Human Nestin. <div>  Run BLAST with  Run BLAST with </div>
常规说明	<p>ab7659 has been upgraded from Fast Track status based on data obtained in a new batch of this antibody.</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>

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 or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride
纯度	Immunogen affinity purified

克隆

多克隆

同种型

IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab7659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。

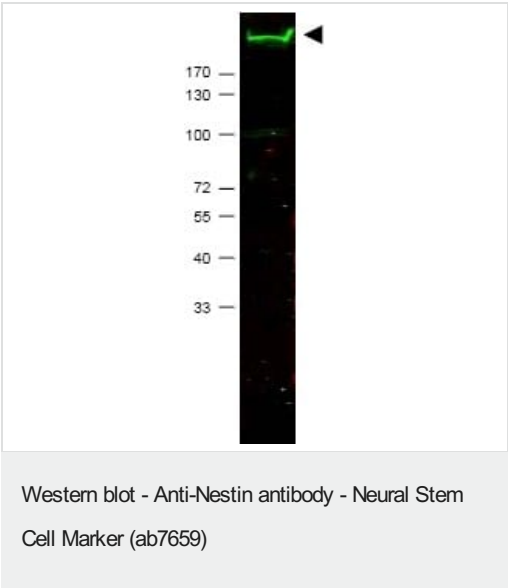
应用	Ab评论	说明
WB	★★★★★ (1)	1/500 - 1/3000. Detects a band of approximately 200 kDa (predicted molecular weight: 176 kDa). Do not denature WB protein lysate, denaturing results in loss of Nestin specific immunoreactivity (See Abreview).

应用说明 Is unsuitable for ICC/IF or IHC-P.

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

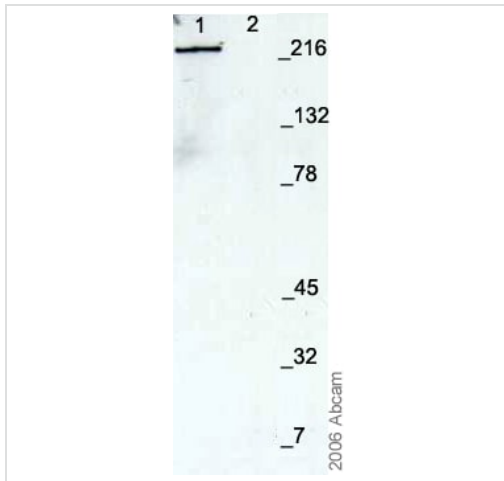


Anti-Nestin antibody - Neural Stem Cell Marker (ab7659) at 1/2000 dilution + MEF whole cell lysate at 30 µg

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.

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

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