

Anti-Nestin antibody [196908] ab6320

KO 評価済

★★★★☆ [5 Abreviews](#) [48 References](#) [画像数 2](#)

製品の概要

製品名	Anti-Nestin antibody [196908]
製品の詳細	Mouse monoclonal [196908] to Nestin
由来種	Mouse
特異性	Based on the result of immunocytochemistry on mouse and rat neural stem cells, this antibody has no reactivity with rodent Nestin. The clone number has been updated from (3k1) to (196908) both clone numbers name the same antibody clone.
アプリケーション	適用あり: WB, ICC/IF
種交差性	交差種: Human 非交差種: Mouse, Rat
免疫原	Nestin-transfected NS0 cells transfected with a human Nestin fragment aa residues 618-1618.
ポジティブ・コントロール	Human neural progenitors and A172 cells.
特記事項	<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 and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.40 Constituents: PBS, 5% Trehalose
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	196908

ミエローマ	NS0
アイソタイプ	IgG1

アプリケーション

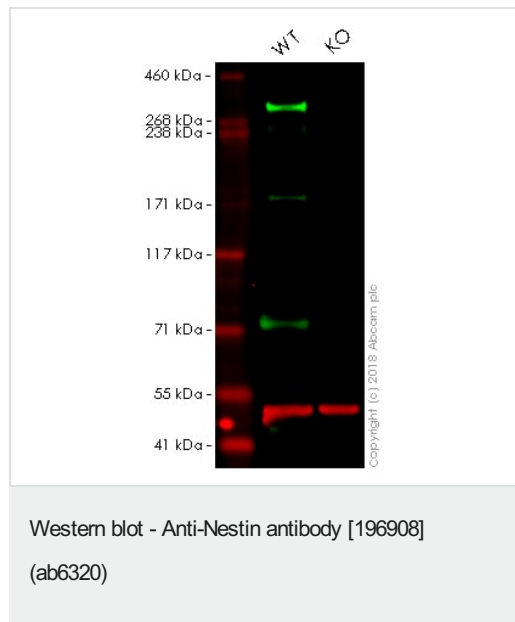
The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab6320の使用に適用されます
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	Use at an assay dependent concentration. Predicted molecular weight: 177 kDa.
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration.

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



All lanes : Anti-Nestin antibody [196908] (ab6320) at 1 µg

Lane 1 : Wild-type HAP1 whole cell lysate

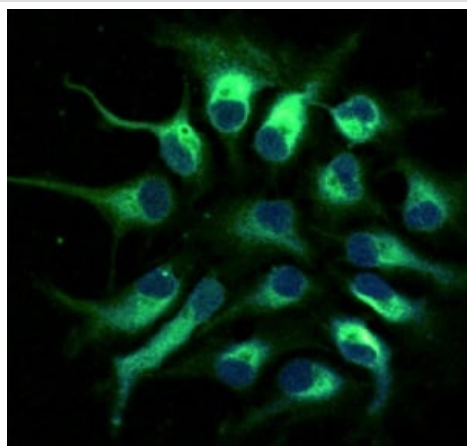
Lane 2 : NES knockout HAP1 whole cell lysate

Lysates/proteins at 20 µg per lane.

Predicted band size: 177 kDa

Lanes 1 - 2: Merged signal (red and green). Green - ab6320 observed at 300 kDa. Red - loading control, **ab176560**, observed at 50 kDa.

ab6320 was shown to recognize NES in wild-type HAP1 cells as signal was lost at the expected MW in NES knockout cells. Additional cross-reactive bands were observed in the wild-type and knockout cells. Wild-type and NES knockout samples were subjected to SDS-PAGE. Ab6320 and **ab176560** (Rabbit anti-alpha Tubulin loading control) were incubated overnight at 4°C at 1 µg/ml and 1/20000 dilution respectively. Blots were developed with Goat anti-Mouse IgG H&L (IRDye® 800CW) preabsorbed **ab216772** and Goat anti-Rabbit IgG H&L (IRDye® 680RD) preabsorbed **ab216777** secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



Immunocytochemistry/ Immunofluorescence - Anti-Nestin antibody [196908] (ab6320)

Immunocytochemical analysis of human fetal neural progenitor cells, labeling Nestin with ab6320 (10µg/ml). Immunostaining was for 3 hours at room temperature. Counterstaining with DAPI (blue).

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