


Anti-NUMB antibody ab4147

★★★★☆ [10 Abreviews](#) [39 References](#) [画像数 6](#)

製品の概要

製品名	Anti-NUMB antibody
製品の詳細	Goat polyclonal to NUMB
由来種	Goat
特異性	This antibody is expected to recognize all reported isoforms (NP_001005743.1, 001005744.1, NP_003735, NP_001005745.1). It is also likely to cross-react with Numbl like (NUMBL, GeneID: 9253) which has a very similar C-Terminus, although this has not yet been tested experimentally.
アプリケーション	適用あり: ELISA, Flow Cyt, IHC-P, IP, WB, ICC/IF
種交差性	交差種: Mouse, Chicken, Human 交差が予測される動物種: Cow, Dog 
免疫原	Synthetic peptide corresponding to Human NUMB aa 638-651 (C terminal). Sequence: C-PFSSDLQKTFEIEL Database link: P49757 (Peptide available as ab22990) Run BLAST with Run BLAST with
ポジティブ・コントロール	WB: Mouse brain lysate; ICC: A431 and NIH3T3 cells; Flow Cyt: A431 cells IHC: Human prostate tissue
特記事項	This product may cross-react with Numbl like (NUMBL, GeneID: 9253) Principal Names - NUMB; S171; numb homolog (Drosophila) Official Gene Symbol - NUMB GenBank Accession Number - NP_003735 LocusLink ID - 8650 (human); 18222 (mouse) Gene Ontology terms - integral to plasma membrane 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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
精製度	Immunogen affinity purified
特記事項(精製)	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

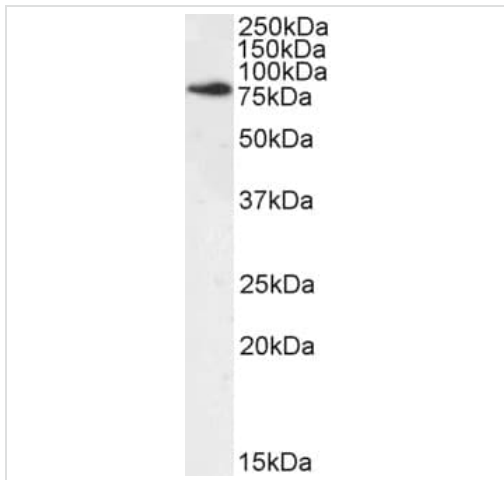
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab4147の使用に適用されます**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ELISA		Use at an assay dependent concentration.
Flow Cyt		Use a concentration of 10 µg/ml.
IHC-P	★★★★★ (3)	Use a concentration of 8 µg/ml.
IP	★★★★★ (1)	Use at an assay dependent concentration. For 1 hr on mouse brain lysate (see Abreview).
WB	★★★★★ (3)	Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 80 kDa (predicted molecular weight: 71 kDa). 1 hour primary incubation at room temperature is recommended for this product.
ICC/IF	★★★★★ (3)	Use a concentration of 10 µg/ml.

ターゲット情報

機能	Plays a role in the process of neurogenesis. Required throughout embryonic neurogenesis to maintain neural progenitor cells, also called radial glial cells (RGCs), by allowing their daughter cells to choose progenitor over neuronal cell fate. Not required for the proliferation of neural progenitor cells before the onset of neurogenesis. Also involved postnatally in the subventricular zone (SVZ) neurogenesis by regulating SVZ neuroblasts survival and ependymal wall integrity. May also mediate local repair of brain ventricular wall damage.
配列類似性	Contains 1 PID domain.
翻訳後修飾	Isoform 1 and isoform 2 are ubiquitinated by LNX leading to their subsequent proteasomal degradation (By similarity). Ubiquitinated; mediated by SIAH1 and leading to its subsequent proteasomal degradation.

画像

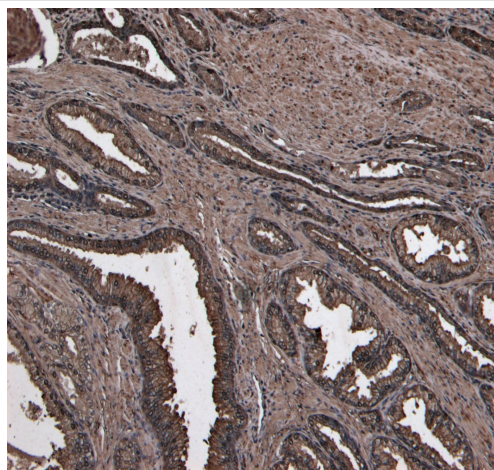


Western blot - Anti-NUMB antibody (ab4147)

Anti-NUMB antibody (ab4147) at 1 $\mu\text{g/ml}$ + Mouse brain lysates at 35 μg

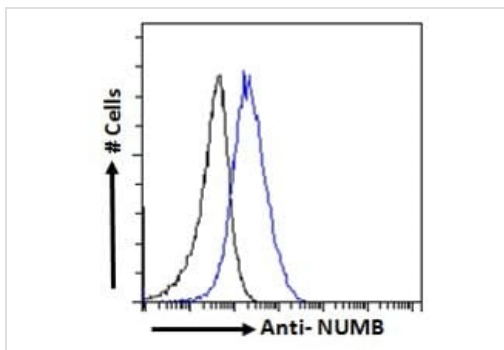
Predicted band size: 71 kDa

Detected by chemiluminescence.



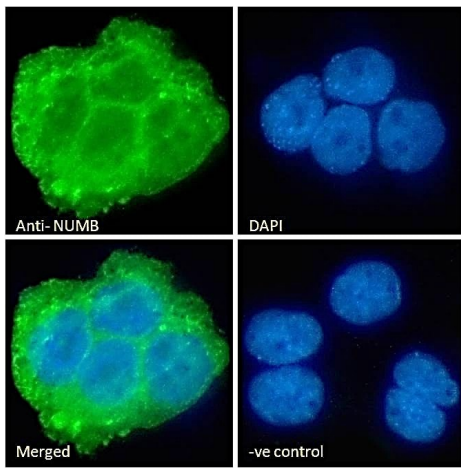
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NUMB antibody (ab4147)

Immunohistochemistry staining of paraffin embedded Human Prostate labeling NUMB with ab4147 at (8 $\mu\text{g/mL}$). Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



Flow Cytometry - Anti-NUMB antibody (ab4147)

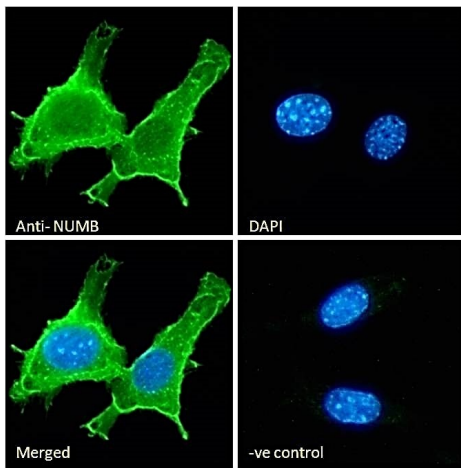
Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 $\mu\text{g/mL}$) followed by Alexa Fluor 488 secondary antibody (1 $\mu\text{g/mL}$). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Immunocytochemistry/ Immunofluorescence - Anti-
NUMB antibody (ab4147)

Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/ml) followed by Alexa Fluor 488 secondary antibody (2 ug/ml), showing cell junction and cytoplasmic staining. The nuclear stain is DAPI (blue).

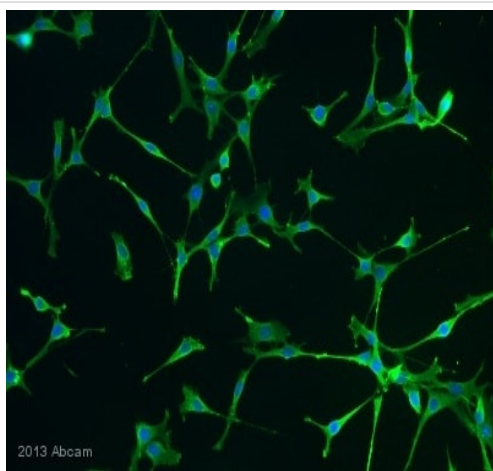
Negative control: Unimmunized goat IgG (10 ug/ml) followed by Alexa Fluor 488 secondary antibody (2 ug/ml).



Immunocytochemistry/ Immunofluorescence - Anti-
NUMB antibody (ab4147)

Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/ml) followed by Alexa Fluor 488 secondary antibody (2 ug/ml), showing plasma membrane and cytoplasmic staining. The nuclear stain is DAPI (blue).

Negative control: Unimmunized goat IgG (10 ug/ml) followed by Alexa Fluor 488 secondary antibody (2 ug/ml).



Immunocytochemistry/ Immunofluorescence - Anti-
NUMB antibody (ab4147)

This image is courtesy of an anonymous Abreview

ab4147 staining NUMB in the NIH3T3 cell line from Mouse fibroblasts by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with paraformaldehyde and blocked with 10% serum for 60 minutes at 24°C. Samples were incubated with primary antibody (1/100) for 16 hours at 4°C. An Alexa Fluor®488-conjugated Donkey anti-rabbit polyclonal(1/500) was used as the secondary antibody.

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