




Anti-NUMB antibody ab4147

★★★★★ **10 Abreviews** **39 References** **6 图像**

概述

产品名称	Anti-NUMB抗体
描述	山羊多克隆抗体to NUMB
宿主	Goat
特异性	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.
经测试应用	适用于: ELISA, Flow Cyt, IHC-P, IP, WB, ICC/IF
种属反应性	与反应: Mouse, Chicken, Human 预测可用于: Cow, Dog 
免疫原	Synthetic peptide corresponding to Human NUMB aa 638-651 (C terminal). Sequence: C-PFSSDLQKTFEIEL Database link: <u>P49757</u> (Peptide available as <u>ab22990</u>)  <u>Run BLAST with</u>  <u>Run BLAST with</u>
阳性对照	WB: Mouse brain lysate; ICC: A431 and NIH3T3 cells; Flow Cyt: A431 cells IHC: Human prostate tissue
常规说明	<p>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</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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
纯度	Immunogen affinity purified
纯化说明	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab4147于以下的经测试应用

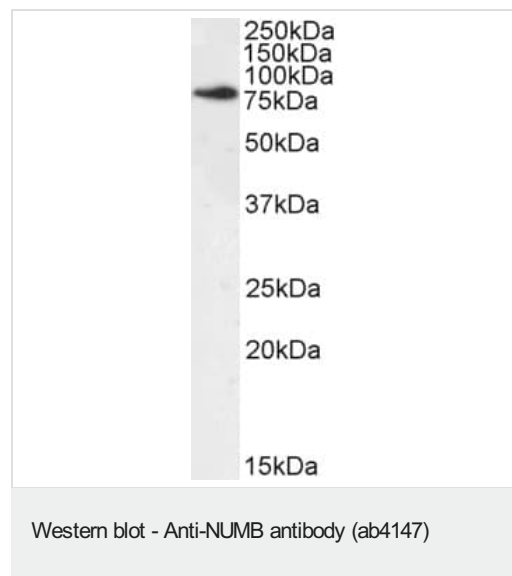
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
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.

靶标

功能	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.
序列相似性	Contains 1 PID domain.
翻译后修饰	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.

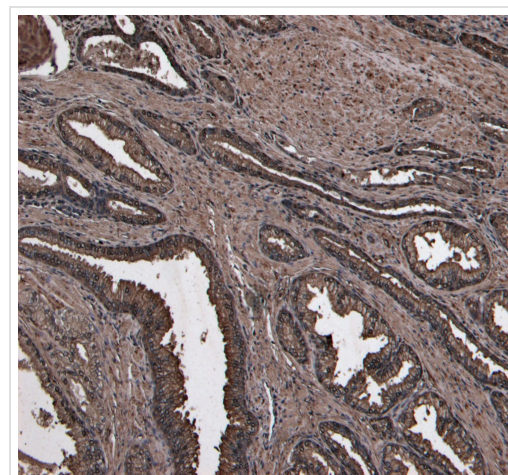
图片



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

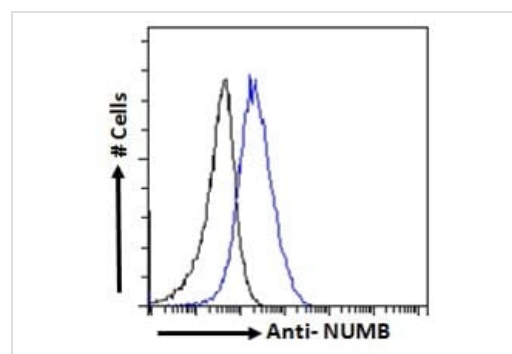
Predicted band size: 71 kDa

Detected by chemiluminescence.



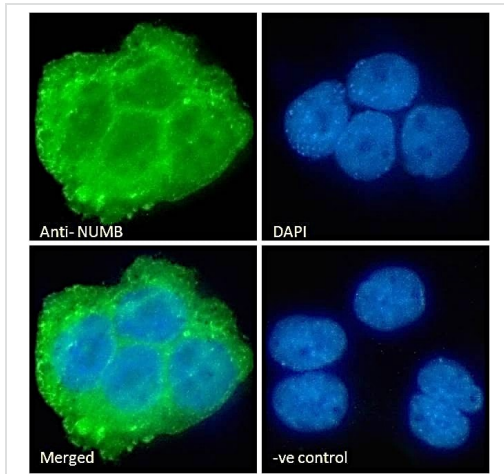
Immunohistochemistry staining of paraffin embedded Human Prostate labeling NUMB with ab4147 at (8 $\mu\text{g/mL}$). Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - 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.

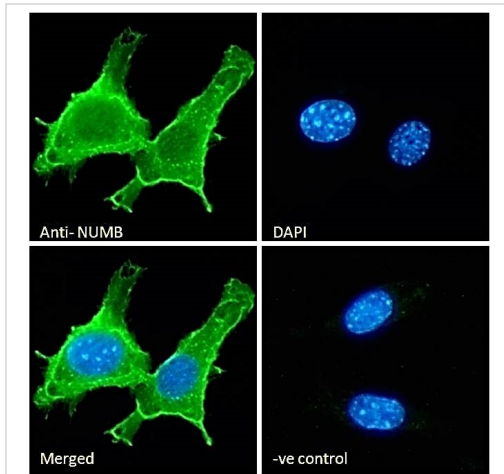
Flow Cytometry - Anti-NUMB antibody (ab4147)



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).

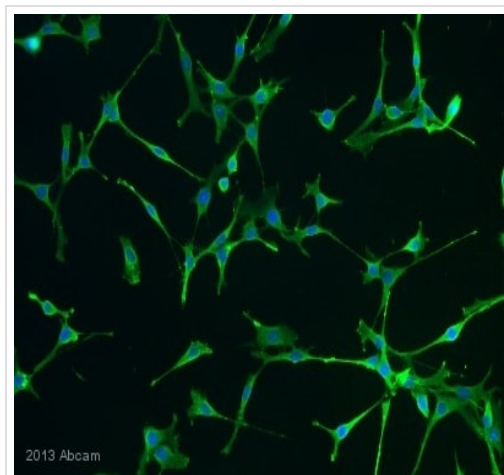
Negative control: Unimmunized goat IgG (10 ug/ml) followed by Alexa Fluor 488 secondary antibody (2 ug/ml).



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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