

Product datasheet

Anti-N4BP1 antibody [EPNCIR118] ab133610

Recombinant RabMAb

3 Images

Overview

Product name	Anti-N4BP1 antibody [EPNCIR118]
Description	Rabbit monoclonal [EPNCIR118] to N4BP1
Host species	Rabbit
Tested applications	Suitable for: WB, Flow Cyt Unsuitable for: ICC or IHC-P
Species reactivity	Reacts with: Mouse, Rat
Immunogen	Recombinant fragment within Mouse N4BP1 aa 250-500. The exact sequence is proprietary.
Positive control	F9, Mouse brain, B16 F0, and PC12 cell lysates; F9 cells
General notes	<p>This antibody was developed as part of a collaboration between Epitomics, the National Cancer Institute's Center for Cancer Research and the lab of Michael Kuehn. View antibodies from NCI Center for Cancer Research Collaboration.</p> <p>Human: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant</p>

Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPNCIR118
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab133610 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

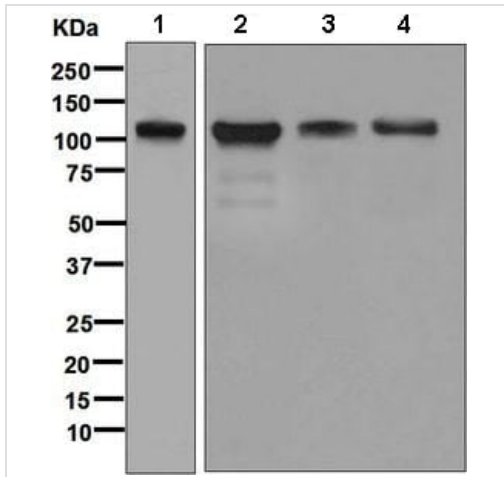
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 100 kDa.
Flow Cyt		1/100 - 1/500. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Application notes Is unsuitable for ICC or IHC-P.

Target

Function	Inhibitor of the E3 ubiquitin-protein ligase ITCH. Acts by interacting with the second WW domain of ITCH, leading to compete with ITCH's substrates and impairing ubiquitination of substrates.
Tissue specificity	Detected in heart, lung, brain, liver, skeletal muscle, pancreas, kidney, spleen, testis and ovary.
Sequence similarities	Belongs to the N4BP1 family.
Post-translational modifications	Monoubiquitinated by NEDD4. Polyubiquitinated, leading to its degradation by the proteasome. Sumoylated by SUMO1, abrogating polyubiquitination and subsequent degradation. Desumoylated by SENP1, leading to accumulation in PML nuclear bodies. Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Nucleus > nucleolus. Nucleus > PML body. Primarily localizes to the nucleolus. Also localizes to the PML nuclear bodies, when desumoylated.

Images



Western blot - Anti-N4BP1 antibody [EPNCIR118] (ab133610)

All lanes : Anti-N4BP1 antibody [EPNCIR118] (ab133610) at 1/1000 dilution

Lane 1 : F9 cell lysate

Lane 2 : Mouse brain cell lysate

Lane 3 : B16 F0 cell lysate

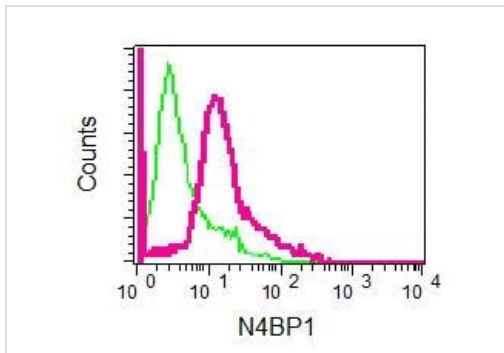
Lane 4 : PC12 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 100 kDa



Flow Cytometry - Anti-N4BP1 antibody [EPNCIR118] (ab133610)

Flow Cytometrical analysis of N4BP1 in permeabilized F9 cells, using ab133610 at a dilution of 1/100 (red) or a rabbit IgG (negative) (green).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-N4BP1 antibody [EPNCIR118] (ab133610)

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

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