

Product datasheet

Anti-NFIB / NF1B2 antibody [EPR14122] ab186738

Recombinant RabMAb

[15 References](#) [9 Images](#)

Overview

Product name	Anti-NFIB / NF1B2 antibody [EPR14122]
Description	Rabbit monoclonal [EPR14122] to NFIB / NF1B2
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB, IHC-P, ICC/IF, IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	HeLa, rat C6, rat PC12 and mouse NIH 3T3 cell lysates; Human fetal brain lysate; Human breast and Mouse liver tissue; HeLa cells.
General notes	<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 +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR14122
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab186738 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
Flow Cyt (Intra)		Use at an assay dependent concentration.
WB		1/1000 - 1/10000. Detects a band of approximately 47,53,55 kDa (predicted molecular weight: 47 kDa).
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100.
IP		1/30 - 1/50.

Target

Function

Recognizes and binds the palindromic sequence 5'-TTGGCNNNNNGCCAA-3' present in viral and cellular promoters and in the origin of replication of adenovirus type 2. These proteins are individually capable of activating transcription and replication.

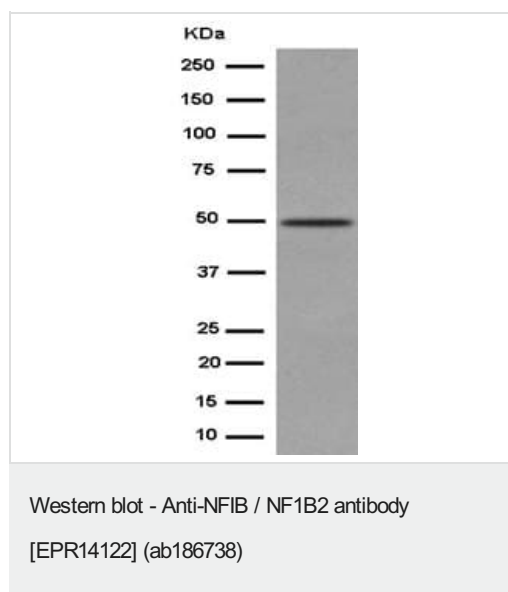
Sequence similarities

Belongs to the CTF/NF-I family.
Contains 1 CTF/NF-I DNA-binding domain.

Cellular localization

Nucleus.

Images



Anti-NFIB / NF1B2 antibody [EPR14122] (ab186738) at 1/5000 dilution + Human fetal brain at 20 µg

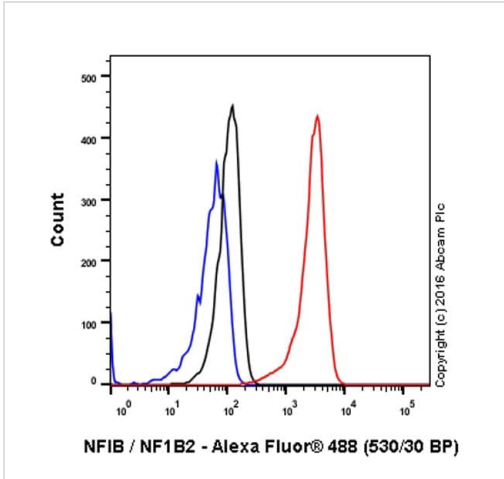
Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab136636](#)) at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 47 kDa

Observed band size: 47 kDa

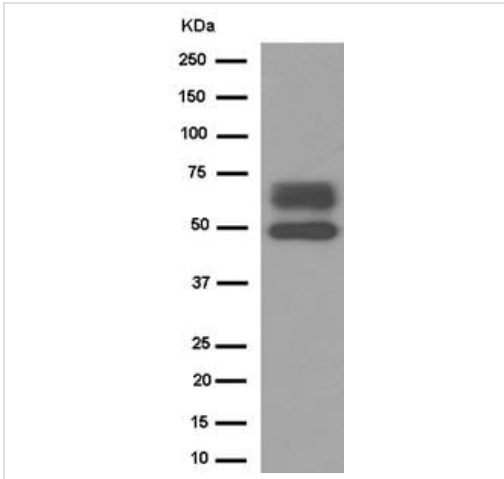


Flow Cytometry (Intracellular) - Anti-NFIB / NF1B2 antibody [EPR14122] (ab186738)

ab186738 staining NFIB / NF1B2 in the human cell line HeLa (human cervix adenocarcinoma) by intracellular flow cytometry. Cells were fixed with 4% paraformaldehyde, permeabilised with 90% methanol and the sample was incubated with the primary antibody at a dilution of 1/70. A goat anti rabbit IgG (Alexa Fluor® 488) at a dilution of 1/2000 was used as the secondary antibody.

Isotype control: Rabbit monoclonal IgG (Black)

Unlabelled control: Cell without incubation with primary antibody and secondary antibody (Blue)



Western blot - Anti-NFIB / NF1B2 antibody [EPR14122] (ab186738)

Anti-NFIB / NF1B2 antibody [EPR14122] (ab186738) at 1/5000 dilution + HeLa cell lysate at 10 µg

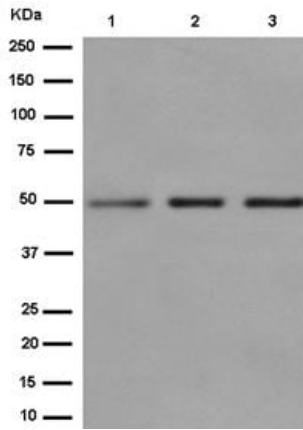
Secondary

goat anti-rabbit IgG, (H+L), peroxidase conjugated at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 47 kDa

Observed band size: 47, 53, 55 kDa



Western blot - Anti-NFIB / NF1B2 antibody [EPR14122] (ab186738)

All lanes : Anti-NFIB / NF1B2 antibody [EPR14122] (ab186738) at 1/1000 dilution

Lane 1 : C6 cell lysate

Lane 2 : PC-12 cell lysate

Lane 3 : NIH/3T3 cell lysate

Lysates/proteins at 10 µg per lane.

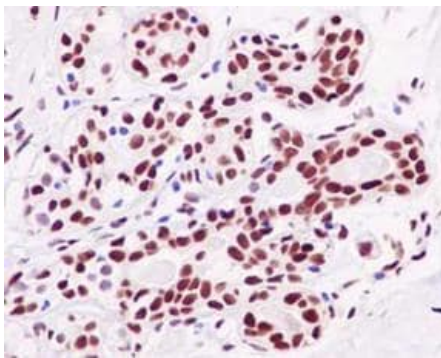
Secondary

All lanes : goat anti-rabbit IgG, (H+L), peroxidase conjugated at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 47 kDa

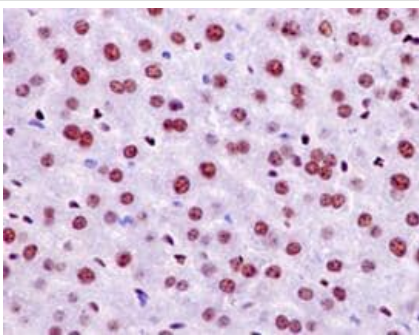
Observed band size: 47 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NFIB / NF1B2 antibody [EPR14122] (ab186738)

Immunohistochemical analysis of paraffin-embedded, Human breast tissue labeling NFIB / NF1B2 with ab186738 at a 1/500 dilution. Counter stained with hematoxylin.

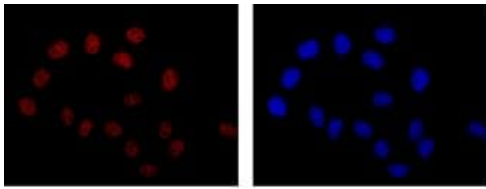
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NFIB / NF1B2 antibody [EPR14122] (ab186738)

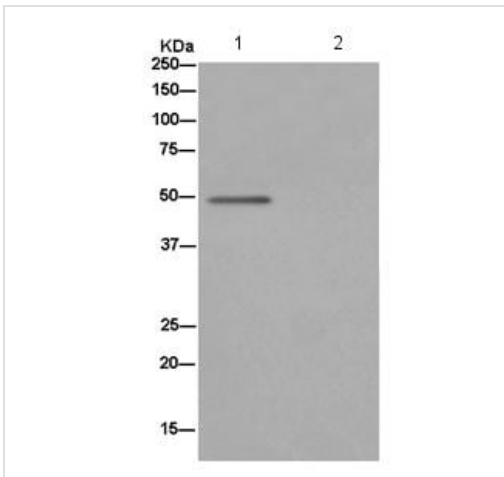
Immunohistochemical analysis of paraffin-embedded, mouse liver tissue labeling NFIB / NF1B2 with ab186738 at a 1/500 dilution. Counter stained with hematoxylin.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-NFIB / NF1B2 antibody [EPR14122] (ab186738)




Immunofluorescence analysis of, paraformaldehyde-fixed, HeLa cells labeling NFIB / NF1B2 with ab186738 at a 1/100 dilution. As secondary antibody goat anti-rabbit IgG (Alexa Fluor®555) was used at a 1/200. In blue DAPI staining.



Immunoprecipitation - Anti-NFIB / NF1B2 antibody [EPR14122] (ab186738)

Western blot analysis on immunoprecipitation from 1) Human fetal brain lysate and 2) PBS, labeling NFIB / NF1B2 using ab186738 at 1/50 dilution and HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG at a 1/1500 dilution.

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-NFIB / NF1B2 antibody [EPR14122] (ab186738)

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

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