abcam

ab250892

# Anti-NFIB / NF1B2 antibody [EPR14122] - BSA and Azide free

Recombinant | RabMAb

## Key facts

| | |
|---|---|
| **Isotype** | IgG |
| **Host species** | Rabbit |
| **Storage buffer** | pH: 7.2 - 7.4 Constituents: PBS |
| **Form** | Liquid |
| **Clonality** | Monoclonal |
| **Immunogen** | The exact immunogen used to generate this antibody is proprietary information. |
| **Carrier free** | Yes |
| **Clone number** | EPR14122 |
| **Purification technique** | Affinity purification Protein A |
| **Concentration** | 1.048 mg/mL The concentration of this product may be batch-dependent<br>Batch concentration finder → |

## Reactivity data

## IHC-P

### Tested

| | |
|---|---|
| **Species** | Mouse, Human |
| **Dilution info** | - |

| | |
|---|---|
| **Notes** | - |

### Expected

| | |
|---|---|
| **Species** | Rat |
| **Dilution info** | Use at an assay dependent concentration. |
| **Notes** | - |

## ICC/IF

### Tested

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | - |
| **Notes** | - |

### Expected

| | |
|---|---|
| **Species** | Mouse, Rat |
| **Dilution info** | Use at an assay dependent concentration. |
| **Notes** | - |

## IP

### Tested

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | - |
| **Notes** | - |

### Expected

| | |
|---|---|
| **Species** | Mouse, Rat |
| **Dilution info** | Use at an assay dependent concentration. |
| **Notes** | - |

## WB

### Tested

| | |
|---|---|
| **Species** | Rat, Human |
| **Dilution info** | - |
| **Notes** | - |

### Expected

| | |
|---|---|
| **Species** | Mouse |
| **Dilution info** | Use at an assay dependent concentration. |
| **Notes** | - |

## Flow Cyt (Intra)

### Tested

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | - |
| **Notes** | - |

### Expected

| | |
|---|---|
| **Species** | Mouse, Rat |
| **Dilution info** | Use at an assay dependent concentration. |
| **Notes** | - |

## Target data

See full target information NFIB

| | |
|---|---|
| **Function** | Transcriptional activator of GFAP, essential for proper brain development (PubMed:30388402). 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. |

## Storage

| | |
|---|---|
| **Shipped at conditions** | Blue Ice |
| **Appropriate short-term storage conditions** | +4°C |
| **Appropriate long-term storage conditions** | +4°C |
| **Storage information** | Do Not Freeze |

## Notes

ab250892 is the carrier-free version of ab186738.

**Patented technology**

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

**What are the advantages of a recombinant monoclonal antibody?**

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

**Conjugation ready**

Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

**Compatibility**

This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

## Product promise

**Tested**

We have tested this species and application combination and it works. It is covered by our product promise.

**Expected**

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

**Predicted**

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

**Not recommended**

We do not recommend this combination. It is not covered by our product promise.

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We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

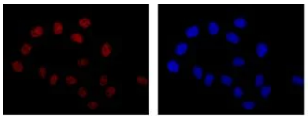
In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

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## 8 product images

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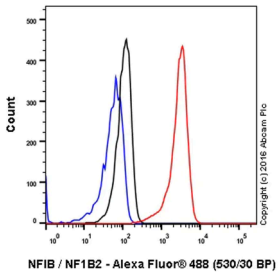


### Immunocytochemistry/ Immunofluorescence - Anti-NFIB / NF1B2 antibody [EPR14122] - BSA and Azide free (ab250892)

NFIB / NF1B2 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-NFIB / NF1B2 antibody

This data was developed using ab186738, the same antibody clone in a different buffer formulation.
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.

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### Flow Cytometry (Intracellular) - Anti-NFIB / NF1B2 antibody [EPR14122] - BSA and Azide free (ab250892)

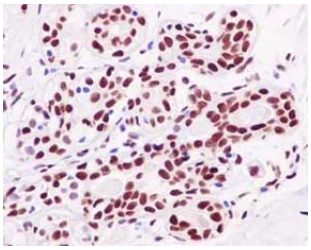
NFIB / NF1B2 Flow Cytometry (Intracellular) staining using rabbit Anti-NFIB / NF1B2 antibody

This data was developed using ab186738, the same antibody clone in a different buffer formulation.
ab186738 staining NFIB / NF1B2 in the human cell line HeLa (human cervix adenocarcinoma) by intracellular flow cytometry. Cells were fixed with 4% paraformaldehyde, permiabilised 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.

Isoytype control: Rabbit monoclonal IgG (Black)

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

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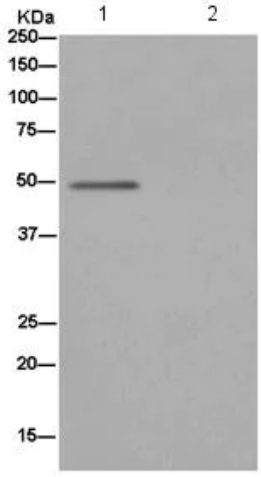


## Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NFIB / NF1B2 antibody [EPR14122] - BSA and Azide free (ab250892)

NFIB / NF1B2 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-NFIB / NF1B2 antibody

This data was developed using ab186738, the same antibody clone in a different buffer formulation.
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.




## Immunoprecipitation - Anti-NFIB / NF1B2 antibody [EPR14122] - BSA and Azide free (ab250892)

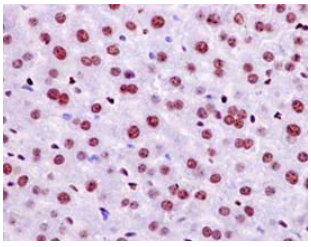
This data was developed using ab186738, the same antibody clone in a different buffer formulation.
Western blot analysis on immunoprecipitation from 1) Human fetal brain lysate and 2) PBS, labeling NFIB / NF1B2 using ab186738 at 1/50 dilution and HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG at a 1/1500 dilution.

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

Developed using the ECL technique.

Predicted band size: 47 kDa

Observed band size: 47 kDa

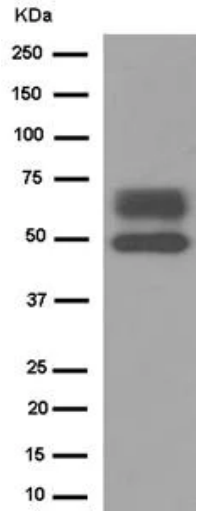


## Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NFIB / NF1B2 antibody [EPR14122] - BSA and Azide free (ab250892)

NFIB / NF1B2 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-NFIB / NF1B2 antibody

This data was developed using ab186738, the same antibody clone in a different buffer formulation.
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.




## Western blot - Anti-NFIB / NF1B2 antibody [EPR14122] - BSA and Azide free (ab250892)

This data was developed using ab186738, the same antibody clone in a different buffer formulation.
All lanes:
Western blot - Anti-NFIB / NF1B2 antibody [EPR14122] (ab186738) at 1/5000 dilution

All lanes:
HeLa cell lysate at 10 µg

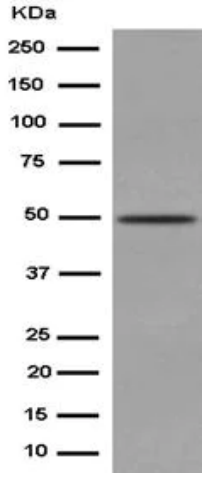
Secondary

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, 53 kDa, 55 kDa




## Western blot - Anti-NFIB / NF1B2 antibody [EPR14122] - BSA and Azide free (ab250892)

NFIB / NF1B2 Western blot staining of Human fetal brain using rabbit Anti-NFIB / NF1B2 antibody

This data was developed using ab186738, the same antibody clone in a different buffer formulation.
All lanes:
Western blot - Anti-NFIB / NF1B2 antibody [EPR14122] (ab186738) at 1/5000 dilution

All lanes:
Human fetal brain at 20 µg

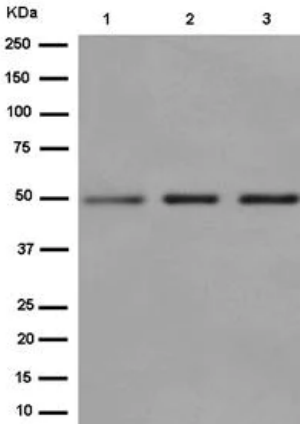
Secondary

All lanes:
Western blot - 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




# Western blot - Anti-NFIB / NF1B2 antibody [EPR14122] - BSA and Azide free (ab250892)

NFIB / NF1B2 Western blot staining using rabbit Anti-NFIB / NF1B2 antibody

This data was developed using ab186738, the same antibody clone in a different buffer formulation.
All lanes:
Western blot - Anti-NFIB / NF1B2 antibody [EPR14122] (ab186738) at 1/1000 dilution

Lane 1:
C6 cell lysate at 10 µg

Lane 2:
PC-12 cell lysate at 10 µg

Lane 3:
NIH/3T3 cell lysate at 10 µg

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.