abcam

ab200829

Anti-NFIB / NF1B2 + NFIC/CTF antibody [EPR14504]

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR14504
Purification technique	Affinity purification Protein A
Concentration	1.092 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Tested

Species	Human
Dilution info	1/70
Notes	-

Expected

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

WB

Tested

Species	Mouse
Dilution info	1/2000
Notes	-

Species	Rat
Dilution info	1/2000
Notes	-

Species	Human
Dilution info	1/2000
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/1000
Notes	-

Expected

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

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/200
Notes	-

Expected

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

IHC-P

Tested

Species	Mouse
Dilution info	1/500
Notes	-

Species	Human
Dilution info	1/500
Notes	-

Expected

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

Target data

See full target information NFIC

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.

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

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.

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.

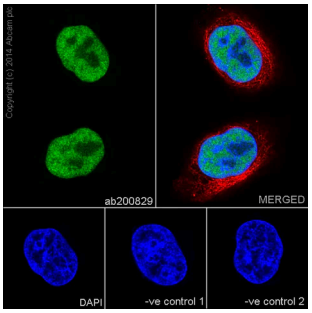
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

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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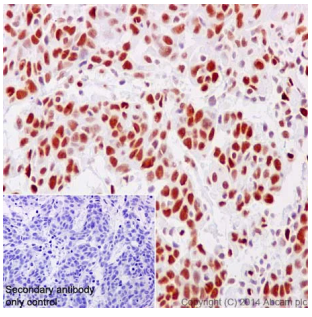
9 product images



Immunocytochemistry/ Immunofluorescence - Anti-NFIB / NF1B2 + NFIC/CTF antibody [EPR14504] (ab200829)

NFIB / NF1B2 + NFIC/CTF Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-NFIB / NF1B2 + NFIC/CTF antibody

Immunofluorescent analysis of 4% paraformaldehyde-fixed 0.1% Triton X-100 permeabilized HeLa (Human epithelial cells from cervix adenocarcinoma) cells labeling NFIB / NF1B2 + NFIC with ab200829 at 1/1000 dilution followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) secondary antibody at 1/500 dilution (green). Nuclear staining on HeLa cell line is observed. The nuclear counterstain is DAPI (blue). Tubulin is detected with ab7291 (anti-Tubulin mouse mAb) at 1/1000 dilution and ab150120 (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution (red). The negative controls are as follows:-
-ve control 1: ab200829 at 1/1000 dilution followed by ab150120 (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution.
-ve control 2: ab7291 (anti-Tubulin mouse mAb) at 1/1000 dilution followed by ab150077 (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/500 dilution.

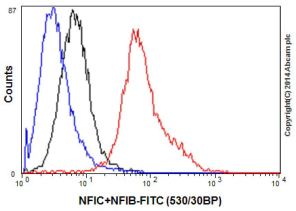


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NFIB / NF1B2 + NFIC/CTF antibody [EPR14504] (ab200829)

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

Immunohistochemical analysis of paraffin-embedded human cervix carcinoma tissue labeling NFIB / NF1B2 + NFIC with ab200829 at 1/1000 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution. Nuclear staining on Human cervix carcinoma tissue is observed. Counter stained with Hematoxylin.
Secondary antibody only control: Used PBS instead of primary antibody secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

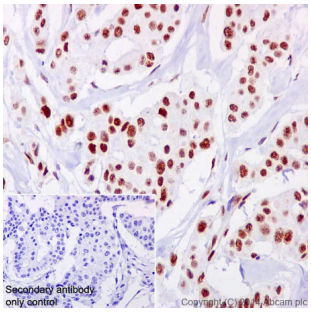
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-NFIB / NF1B2 + NFIC/CTF antibody [EPR14504] (ab200829)

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

Intracellular flow cytometric analysis of 2% paraformaldehyde-fixed HeLa (Human epithelial cells from cervix adenocarcinoma)cells labeling NFIB / NF1B2 + NFICwith ab200829 at 1/200 dilution (red) compared with a rabbit monoclonal IgG isotype control (ab172730; black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody; blue). Goat anti rabbit IgG (FITC) at 1/150 dilution was used as the secondary antibody.

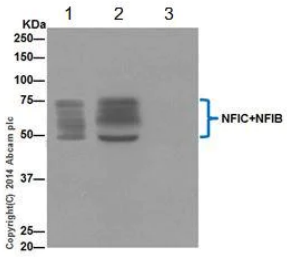


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NFIB / NF1B2 + NFIC/CTF antibody [EPR14504] (ab200829)

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

Immunohistochemical analysis of paraffin-embedded Human breast carcinoma tissue labeling NFIB / NF1B2 + NFIC with ab200829 at 1/1000 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution. Nuclear staining on Human breast carcinoma tissue is observed. Counter stained with Hematoxylin.
Secondary antibody only control: Used PBS instead of primary antibody secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-NFIB / NF1B2 + NFIC/CTF antibody [EPR14504] (ab200829)

NFIB/NF1B2 + NFIC was immunoprecipitated from 1mg of HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate with ab200829 at 1/70 dilution. Western blot was performed from the immunoprecipitate using ab200829 at 1/5000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500 dilution.
Lane 1: HeLa whole cell lysate, 10 µg (Input).

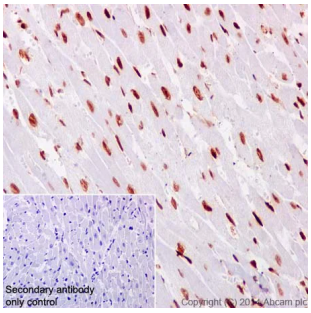
Lane 2: ab200829 IP in HeLa whole cell lysate.

Lane 3: Rabbit monoclonal IgG (ab172730) instead of ab200829 in HeLa whole cell lysate.
Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 10 seconds.

All lanes:
Immunoprecipitation - Anti-NFIB / NF1B2 + NFIC/CTF antibody [EPR14504] (ab200829)

Observed band size: 45-65 kDa

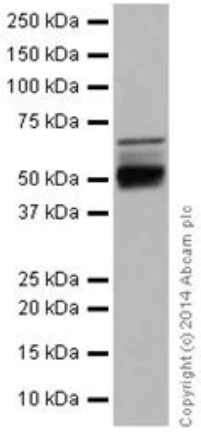


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NFIB / NF1B2 + NFIC/CTF antibody [EPR14504] (ab200829)

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

Immunohistochemical analysis of paraffin-embedded Mouse cardiac muscle tissue labeling NFIB / NF1B2 + NFIC with ab200829 at 1/1000 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution. Nuclear staining on mouse cardiac muscle tissue is observed. Counter stained with Hematoxylin.
Secondary antibody only control: Used PBS instead of primary antibody secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-NFIB / NF1B2 + NFIC/CTF antibody [EPR14504] (ab200829)

Blocking/Dilution buffer:5% NFDM /TBST
Based on the sequence analysis, ab200829 recognizes six isoforms within human with predicted Mw's of 56KDa, 55KDa, 48KDa, 45KDa, 48KDa and 49KDa, respectively.

All lanes:
Western blot - Anti-NFIB / NF1B2 + NFIC/CTF antibody [EPR14504] (ab200829) at 1/10000 dilution

All lanes:
HepG2 (Human liver hepatocellular carcinoma cell line) cell lysate at 20 µg

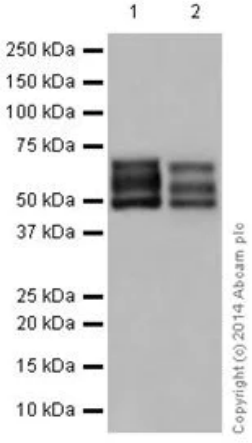
Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 47 kDa, 56 kDa

Observed band size: 45-65 kDa

Exposure time: 3min



Western blot - Anti-NFIB / NF1B2 + NFIC/CTF antibody [EPR14504] (ab200829)

Blocking/Dilution buffer: 5% NFDM/TBST.
Based on the sequence analysis, ab200829 recognizes six isoforms within human with predicted Mw's of 56KDa, 55KDa, 48KDa, 45KDa, 48KDa and 49KDa, respectively.

All lanes:
Western blot - Anti-NFIB / NF1B2 + NFIC/CTF antibody [EPR14504] (ab200829) at 1/10000 dilution

Lane 1:
HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate at 20 µg

Lane 2:
MCF7 (Human breast adenocarcinoma cell line) whole cell lysate at 20 µg

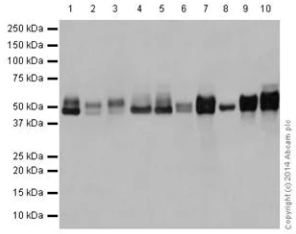
Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 47 kDa, 56 kDa

Observed band size: 45-65 kDa

Exposure time: 30s



Western blot - Anti-NFIB / NF1B2 + NFIC/CTF antibody [EPR14504] (ab200829)

NFIB / NF1B2 + NFIC/CTF Western blot staining using rabbit Anti-NFIB / NF1B2 + NFIC/CTF antibody

Blocking/Dilution buffer: 5% NFDM/TBST.
Based on the sequence analysis, ab200829 recognizes six isoforms within human with predicted Mw's of 56KDa, 55KDa, 48KDa, 45KDa, 48KDa and 49KDa, respectively.

All lanes:
Western blot - Anti-NFIB / NF1B2 + NFIC/CTF antibody [EPR14504] (ab200829) at 1/2000 dilution

Lane 1:
Mouse heart lysate at 10 µg

Lane 2:
Mouse kidney lysate at 10 µg

Lane 3:
Mouse spleen lysate at 10 µg

Lane 4:
Rat brain lysate at 10 µg

Lane 5:
Rat heart lysate at 10 µg

Lane 6:
Rat spleen lysate at 10 µg

Lane 7:
C6 (Rat glial tumor cells) whole cell lysate at 10 µg

Lane 8:
RAW 264.7(Mouse macrophage cells transformed with Abelson murine leukemia virus) whole cell lysate at 10 µg

Lane 9:
PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysate at 10 µg

Lane 10:
NIH/3T3 (Mouse embyro fibroblast cells) whole cell lysate at 10 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 47 kDa, 56 kDa

Observed band size: 45-65 kDa

Exposure time: 1min

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