abcam

ab282123

Anti-CNTF antibody [EPR24553-104] - BSA and Azide free

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	EPR24553-104
Purification technique	Affinity purification Protein A
Concentration	1.01 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt (Intra)

Tested

Species	Rat
Dilution info	-

Notes	-

Expected

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

IP

Tested

Species	Mouse, Rat
Dilution info	-
Notes	-

WB

Tested

Species	Mouse, Rat
Dilution info	-
Notes	-

IHC-Fr

Tested

Species	Mouse
Dilution info	-
Notes	Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

Species	Rat
Dilution info	-
Notes	Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

IHC-P

Tested

Species	Mouse, Rat
Dilution info	-
Notes	-

Target data

See full target information Cntf

Function	CNTF is a survival factor for various neuronal cell types. Seems to prevent the degeneration of motor axons after axotomy.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C

Notes

ab282123 is the carrier-free version of ab270992.

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

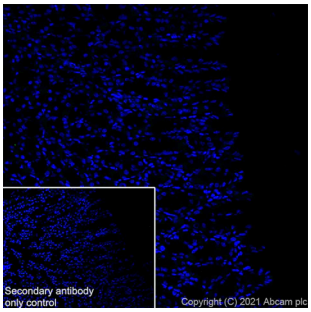
We do not recommend this combination. It is not covered by our product promise.

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.

11 product images



Immunohistochemistry (Frozen sections) - Anti-CNTF antibody [EPR24553-104] - BSA and Azide free (ab282123)

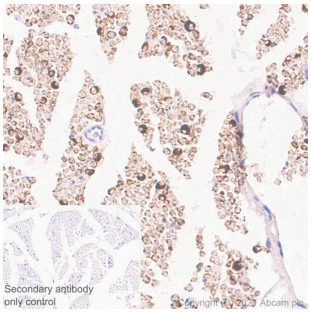
CNTF Immunohistochemistry (Frozen sections) staining using rabbit Anti-CNTF antibody

This data was developed using ab270992, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Rat stomach tissue labeling CNTF with ab270992 at 1/100 dilution (4.81 ug/ml) followed by ab150077

Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution (Green). **Negative control**: No staining on rat stomach (PMID: 12855189) is observed. The nuclear counterstain was DAPI (Blue).

Secondary antibody control: Secondary antibody is ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).



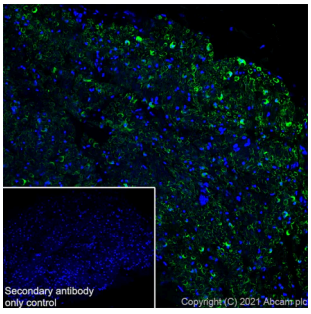
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CNTF antibody [EPR24553-104] - BSA and Azide free (ab282123)

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

This data was developed using ab270992, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded Rat sciatic nerve tissue labelling CNTF with ab270992 at 1/500 dilution (0.962 ug/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Cytoplasmic staining in rat sciatic nerve. The section was incubated with ab270992 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.



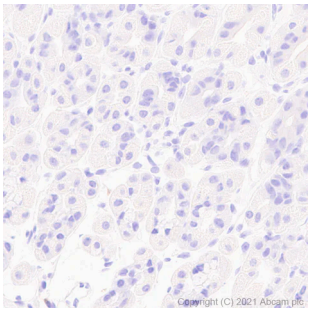
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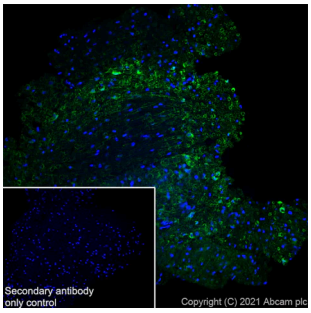
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Immunohistochemical analysis of paraffin-embedded Mouse stomach tissue labelling CNTF with ab270992 at 1/500 dilution (0.962 ug/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). **Negative control**: No staining in mouse stomach. The section was incubated with ab270992 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.



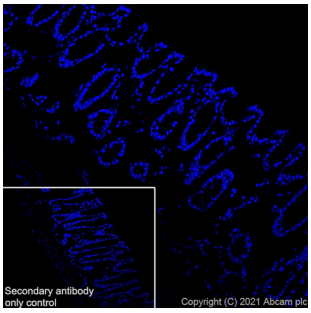
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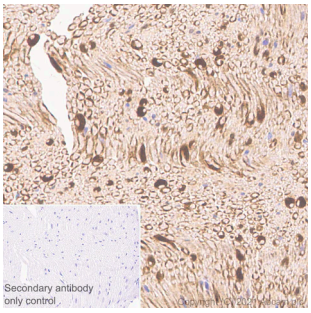
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Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse stomach tissue labeling CNTF with ab270992 at 1/100 dilution (4.81 ug/ml) followed by ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution (Green). **Negative control**: No staining on mouse stomach (PMID: 12855189) is observed. The nuclear counterstain was DAPI (Blue).

Secondary antibody control: Secondary antibody is ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.

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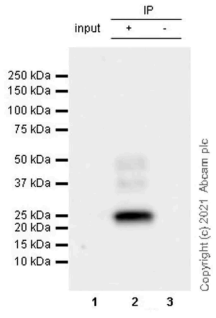
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Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.



Immunoprecipitation - Anti-CNTF antibody [EPR24553-104] - BSA and Azide free (ab282123)

This data was developed using ab270992, the same antibody clone in a different buffer formulation.
CNTF was immunoprecipitated from 0.35 mg Mouse sciatic nerve lysate with ab270992 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab270992 at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP)(ab131366) was used at 1/5000 dilution.

Lane 1: Mouse sciatic nerve lysate 10ug

Lane 2: ab270992 IP in Mouse sciatic nerve lysate

Lane 3: Rabbit monoclonal IgG (ab172730) instead of ab270992 in mouse sciatic nerve lysate

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

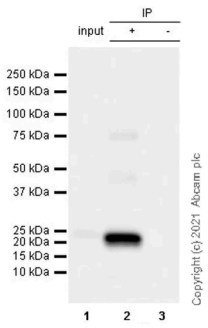
Exposure time: 10 seconds.

Bands at 37, 50KD are likely to be multimer forms of CNTF (PMID: 9236223).

All lanes:
Immunoprecipitation - Anti-CNTF antibody [EPR24553-104] (ab270992)

Predicted band size: 23 kDa

Observed band size: 22 kDa, 37 kDa, 50 kDa



Immunoprecipitation - Anti-CNTF antibody [EPR24553-104] - BSA and Azide free (ab282123)

This data was developed using ab270992, the same antibody clone in a different buffer formulation.
CNTF was immunoprecipitated from 0.35 mg Rat sciatic nerve lysate with ab270992 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab270992 at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP)(ab131366) was used at 1/5000 dilution.

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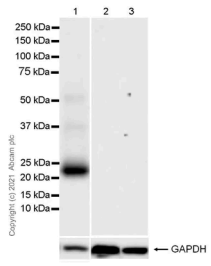
Exposure time: 10 seconds.

Bands at 40, 75KD are likely to be multimer forms of CNTF (PMID: 9236223).

All lanes:
Immunoprecipitation - Anti-CNTF antibody [EPR24553-104] (ab270992)

Predicted band size: 23 kDa

Observed band size: 22 kDa, 37 kDa, 50 kDa



Western blot - Anti-CNTF antibody [EPR24553-104] - BSA and Azide free (ab282123)

CNTF Western blot staining using rabbit Anti-CNTF antibody

This data was developed using ab270992, the same antibody clone in a different buffer formulation.
Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Bands at 37, 50KD are likely to be multimer forms of CNTF (PMID: 9236223).

Negative control: Brain, stomach (PMID: 12855189).

Exposure time: 59 seconds.

All lanes:
Western blot - Anti-CNTF antibody [EPR24553-104] (ab270992) at 1/1000 dilution

Lane 1:
Mouse sciatic nerve lysate at 20 µg

Lane 2:
Mouse brain lysate at 20 µg

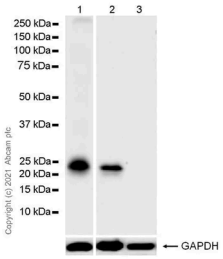
Lane 3:
Mouse stomach lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/10000 dilution

Predicted band size: 23 kDa

Observed band size: 22 kDa, 37 kDa, 50 kDa



Western blot - Anti-CNTF antibody [EPR24553-104] - BSA and Azide free (ab282123)

CNTF Western blot staining using rabbit Anti-CNTF antibody

This data was developed using ab270992, the same antibody clone in a different buffer formulation.
Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Negative control: Stomach (PMID: 12855189).

Exposure time: 81 seconds.

All lanes:
Western blot - Anti-CNTF antibody [EPR24553-104] (ab270992) at 1/1000 dilution

Lane 1:
Rat sciatic nerve lysate at 20 µg

Lane 2:
Rat spinal cord lysate at 20 µg

Lane 3:
Rat stomach lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/10000 dilution

Predicted band size: 23 kDa

Observed band size: 22 kDa

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