

Product datasheet

Anti-NXN/NRX antibody [EPR15177] - BSA and Azide free ab251080

Recombinant RabMAb

7 Images

Overview

Product name	Anti-NXN/NRX antibody [EPR15177] - BSA and Azide free
Description	Rabbit monoclonal [EPR15177] to NXN/NRX - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-P, Flow Cyt (Intra)
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab251080 is the carrier-free version of ab191429.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>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.</p> <p>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.</p> <p>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.</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 +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Clonality	Monoclonal
Clone number	EPR15177
Isotype	IgG

Applications

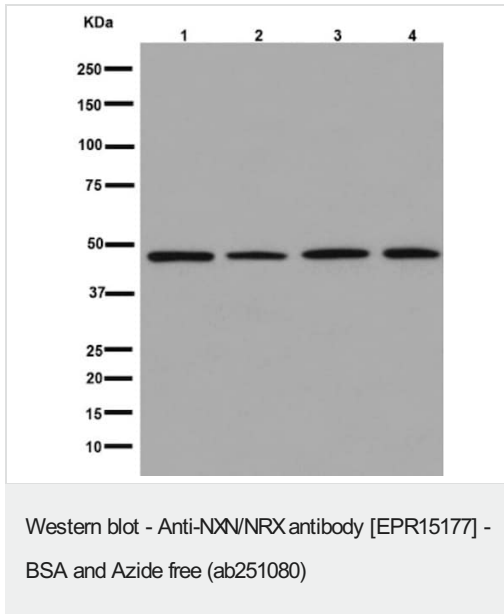
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab251080 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 48 kDa (predicted molecular weight: 48 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
Flow Cyt (Intra)		Use at an assay dependent concentration.

Target

Function	Functions as a redox-dependent negative regulator of the Wnt signaling pathway. May function as a transcriptional regulator. May regulate phosphatase 2A.
Sequence similarities	Belongs to the nucleoredoxin family. Contains 1 thioredoxin domain.
Cellular localization	Cytoplasm > cytosol. Nucleus.

Images



All lanes : Anti-NXN/NRX antibody [EPR15177] ([ab191429](#)) at 1/10000 dilution

Lane 1 : 293 lysate

Lane 2 : HepG2 lysate

Lane 3 : HeLa lysate

Lane 4 : SH-SY5Y lysate

Lysates/proteins at 20 µg per lane.

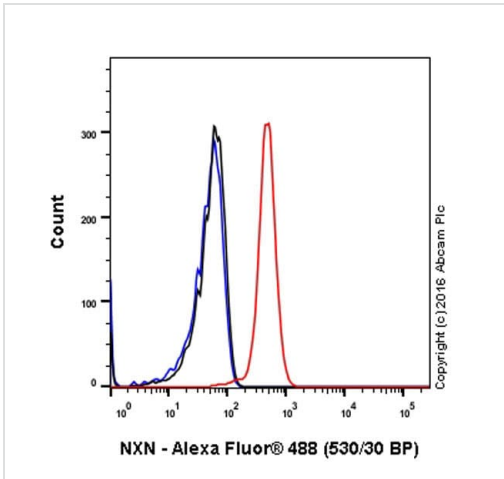
Secondary

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

Predicted band size: 48 kDa

Additional bands at: 48 kDa. We are unsure as to the identity of these extra bands.

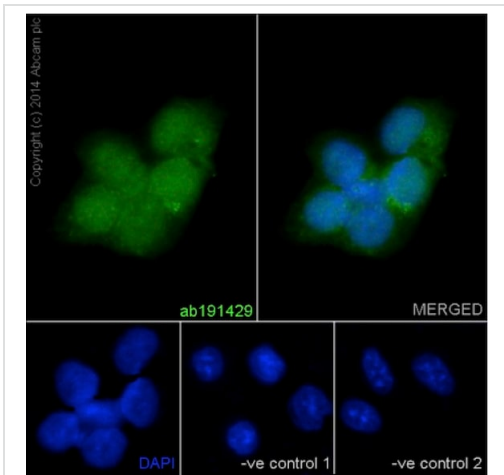
This data was developed using [ab191429](#), the same antibody clone in a different buffer formulation.



Flow Cytometry (Intracellular) - Anti-NXN/NRX antibody [EPR15177] - BSA and Azide free (ab251080)

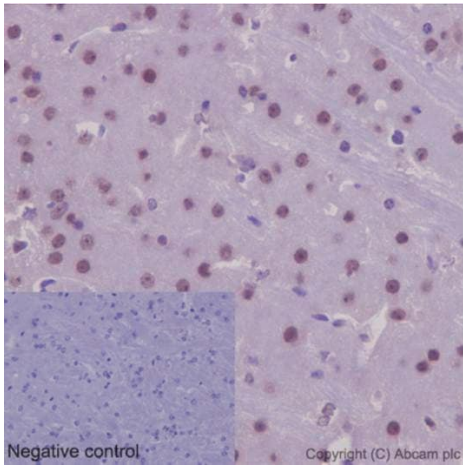
This data was developed using **ab191429**, the same antibody clone in a different buffer formulation.

Intracellular Flow Cytometry analysis of NIH/3T3 (mouse embryo) labelling NXN/NRX with purified **ab191429** at 1/1000 (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Alexa Fluor® 488 goat anti-rabbit IgG (1/2000) was used as the secondary antibody. Black - Isotype control, rabbit monoclonal IgG. Blue - Unlabelled control, cells without incubation with primary and secondary antibodies.



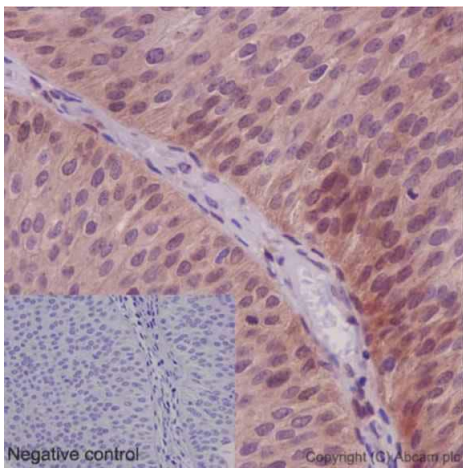
Immunocytochemistry/ Immunofluorescence - Anti-NXN/NRX antibody [EPR15177] - BSA and Azide free (ab251080)

This data was developed using **ab191429**, the same antibody clone in a different buffer formulation. Immunofluorescent analysis of paraformaldehyde-fixed A431 cells labeling NXN/NRX with **ab191429** at 1/250, Goat anti rabbit IgG (Alexa Fluor® 488) at 1/200 and DAPI staining (blue). The two negative controls: 1. Primary ab concentration (anti-NXN/NRX) is 1/100 dilution, Secondary ab (Goat anti mouse IgG (Alexa Fluor®594)) is 1/400 dilution; 2. Primary ab concentration (anti-NXN/NRX) is 1/100 dilution, Secondary ab (Goat anti mouse IgG (Alexa Fluor®594)) is 1/400 dilution.



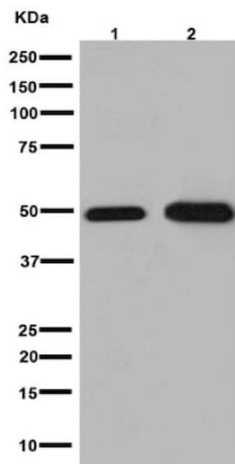
This data was developed using **ab191429**, the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded mouse brain tissue labeling NXN/NRX with **ab191429** at 1/100 with prediluted HRP Polymer for Rabbit IgG as secondary antibody. Negative control: Using PBS instead of primary antibody. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NXN/NRX antibody [EPR15177] - BSA and Azide free (ab251080)



This data was developed using **ab191429**, the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded human transitional cell carcinoma of bladder tissue labeling NXN/NRX with **ab191429** at 1/100 with prediluted HRP Polymer for Rabbit IgG as secondary antibody. Negative control: Using PBS instead of primary antibody. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NXN/NRX antibody [EPR15177] - BSA and Azide free (ab251080)



Western blot - Anti-NXN/NRX antibody [EPR15177] - BSA and Azide free (ab251080)

All lanes : Anti-NXN/NRX antibody [EPR15177] ([ab191429](#)) at 1/10000 dilution

Lane 1 : Mouse testis lysate

Lane 2 : Rat testis lysate

Lysates/proteins at 10 µg per lane.

Secondary





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

Predicted band size: 48 kDa

Additional bands at: 48 kDa. We are unsure as to the identity of these extra bands.

This data was developed using [ab191429](#), the same antibody clone in a different buffer formulation.

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

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

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