

## Product datasheet

### Anti-NXN/NRX antibody [EPR15177] ab191429

Recombinant RabMAb

7 Images

#### Overview

<b>Product name</b>	Anti-NXN/NRX antibody [EPR15177]
<b>Description</b>	Rabbit monoclonal [EPR15177] to NXN/NRX
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF, IHC-P, Flow Cyt (Intra)
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	293, HepG2, HeLa, mouse testis and rat testis lysates; Human transitional cell carcinoma of bladder and mouse brain tissues; A431 cells.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR15177
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab191429 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
WB		1/1000 - 1/10000. Detects a band of approximately 48 kDa (predicted molecular weight: 48 kDa).
ICC/IF		1/100.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
Flow Cyt (Intra)		1/1000.

## Target

### Function

Functions as a redox-dependent negative regulator of the Wnt signaling pathway. May function as a transcriptional regulator. May regulate phosphatase 2A.

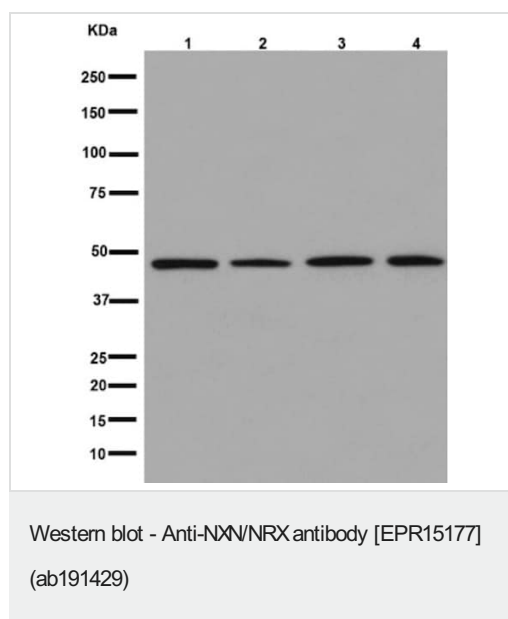
### Sequence similarities

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

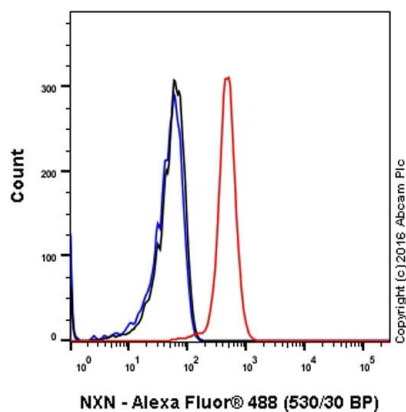
Lysates/proteins at 20 µg per lane.

### Secondary

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

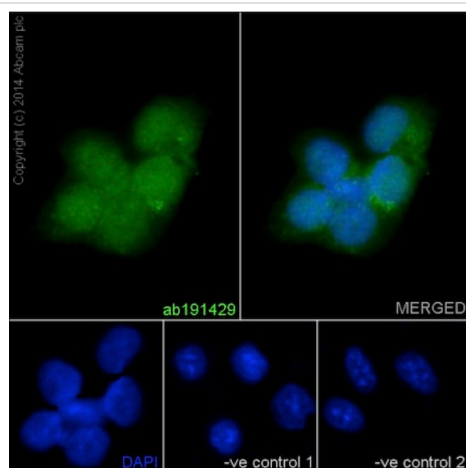
**Predicted band size:** 48 kDa

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



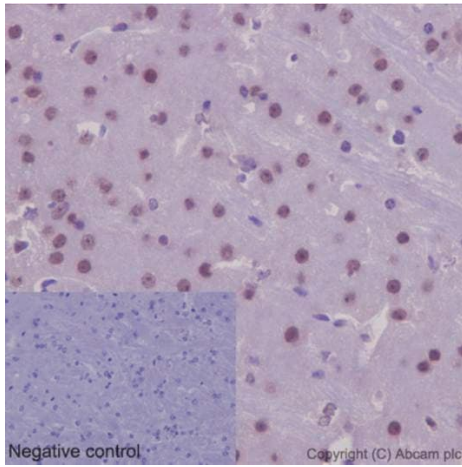
Flow Cytometry (Intracellular) - Anti-NXN/NRX antibody [EPR15177] (ab191429)

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] (ab191429)

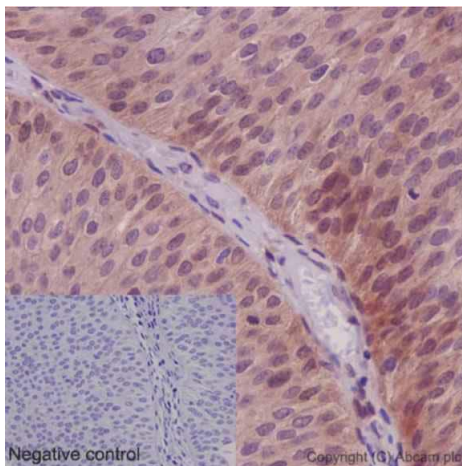
Immunofluorescent analysis of paraformaldehyde-fixed A431 cells labelling NXN/NRX with ab191429 at 1/250, Goat anti rabbit IgG (Alexa Fluor® 488) at 1/200 and DAPI staining (blue). The two negative controls: 1. Primary ab concentration (anti-NXN/NRX) is 1/100 dilution, Secondary ab (Goat anti mouse IgG (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.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NXN/NRX antibody [EPR15177] (ab191429)

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.

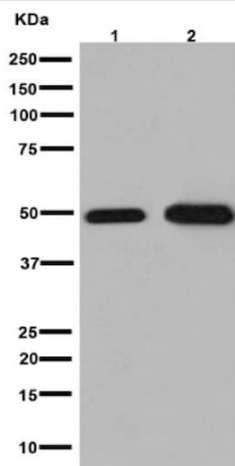
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NXN/NRX antibody [EPR15177] (ab191429)

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.



Western blot - Anti-NXN/NRX antibody [EPR15177] (ab191429)

**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.

#### 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-NXN/NRX antibody [EPR15177] (ab191429)

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

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- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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