

Product datasheet

Anti-NXN/NRX antibody [EPR15177] ab191429

Recombinant RabMAb

6 Images

Overview

Product name	Anti-NXN/NRX antibody [EPR15177]
Description	Rabbit monoclonal [EPR15177] to NXN/NRX
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IHC-P, Flow Cyt
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human NXN/NRX aa 300-400. The exact sequence is proprietary. Database link: Q6DKJ4
Positive control	293, HepG2, HeLa, mouse testis and rat testis lysates; Human transitional cell carcinoma of bladder and mouse brain tissues; A431 cells.

General notes

This product was previously labelled as NXN

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

This product is a [recombinant rabbit monoclonal antibody](#).

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR15177
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab191429** in the following tested applications.

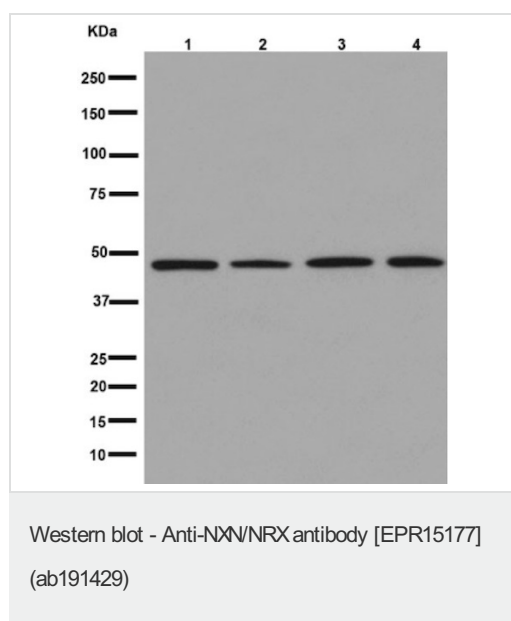
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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		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

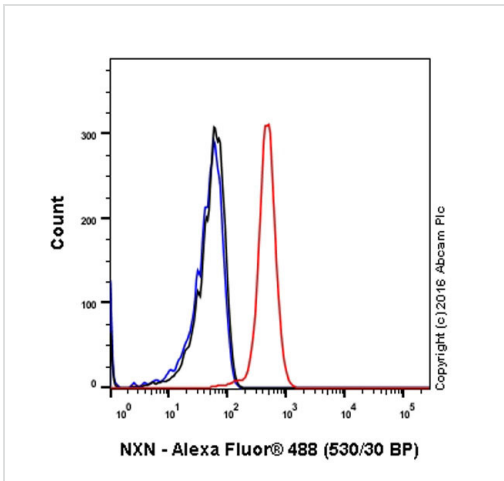
Lysates/proteins at 20 µg per lane.

Secondary

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

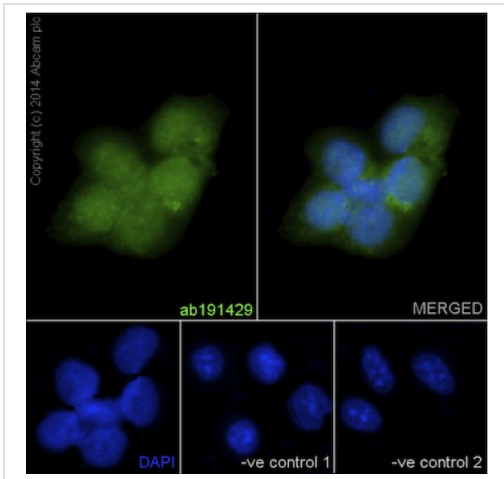
Predicted band size: 48 kDa

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



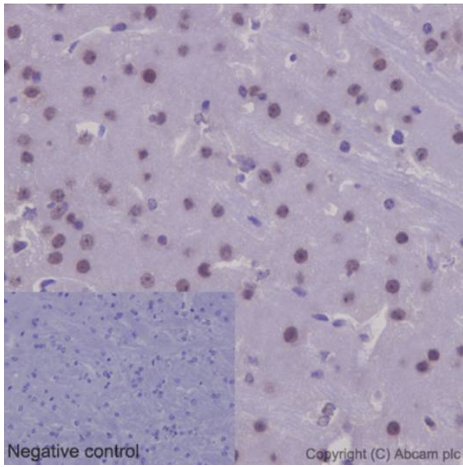
Flow Cytometry - Anti-NXN/NRX antibody
[EPR15177] (ab191429)

Flow Cytometry analysis of NIH3T3 (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)

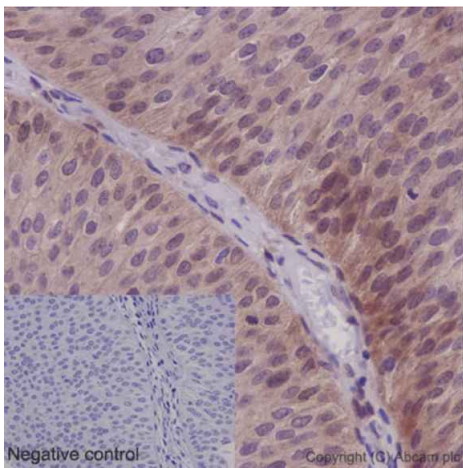
Immunofluorescent analysis of paraformaldehyde-fixed A431 cells labelling NXN/NRX with ab191429 at 1/250, Goat anti rabbit IgG (Alexa Fluor® 488) at 1/200 and DAPI staining (blue). The two negative controls: 1. Primary ab concentration (anti-NXN/NRX) is 1/100 dilution, Secondary ab (Goat anti mouse IgG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

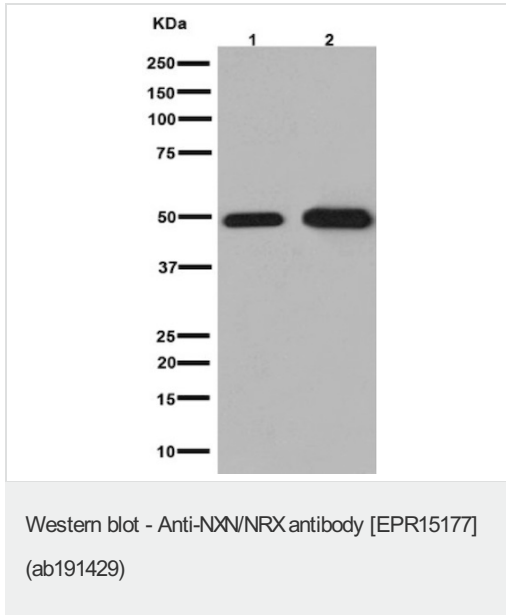
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



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.



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.

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

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