

For Research Use Only

NXN Polyclonal antibody

Catalog Number: 16128-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number:

16128-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9113

GenBank Accession Number:

BC009327

GeneID (NCBI):

64359

UNIPROT ID:

Q6DKJ4

Full Name:

nucleoredoxin

Calculated MW:

435 aa, 48 kDa

Observed MW:

48 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: DU 145 cells, HeLa cells, human heart tissue, HCT 116 cells, HEK-293 cells, HepG2 cells, SH-SY5Y cells

IP: HeLa cells,

IHC: human colon cancer tissue,

IF/ICC: HeLa cells,

Background Information

Nucleoredoxin (NRX/NXN), a relatively uncharacterized member of the TRX family protein, has recently been reported to regulate the Wnt/ β -catenin pathway, which itself regulates cell fate and early development, in a redox-dependent manner (PMID:17567240). Northern blot analysis detected several nucleoredoxin splice variants in adult mouse tissues, with highest expression in testis and skin and lowest expression in liver (PMID:9119370). It has 3 isoforms produced by alternative splicing. This antibody is specific to NXN.

Notable Publications

Author	Pubmed ID	Journal	Application
Claudia Urbainsky	30584462	Oxid Med Cell Longev	WB
Kendra M Prutton	35537597	Free Radic Biol Med	WB
Vedangi Hambardikar	35453370	Antioxidants (Basel)	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

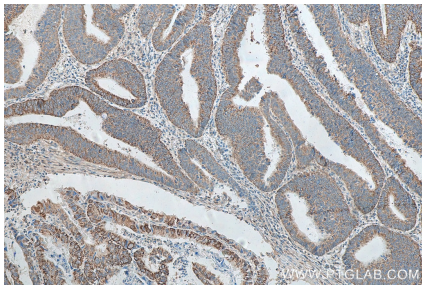
For technical support and original validation data for this product please contact:

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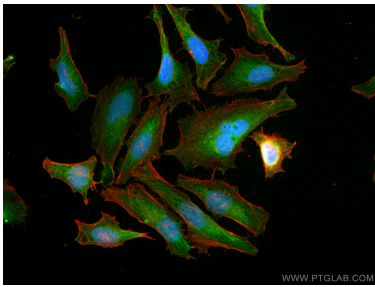
E: proteintech@ptglab.com
W: ptglab.com

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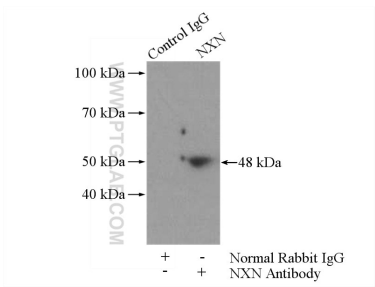
Selected Validation Data



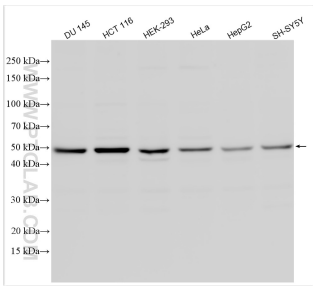
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 16128-1-AP (NXN antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using NXN antibody (16128-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



IP result of anti-NXN (IP:16128-1-AP, 4ug; Detection:16128-1-AP 1:500) with HeLa cells lysate 3200ug.



Various lysates were subjected to SDS PAGE followed by western blot with 16128-1-AP (NXN antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.