

For Research Use Only

NXN Polyclonal antibody

Catalog Number: 16128-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number: 16128-1-AP	GenBank Accession Number: BC009327	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 350 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 64359	Recommended Dilutions: WB 1:1000-1:6000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: nucleoredoxin	IHC 1:50-1:500
Isotype: IgG	Calculated MW: 435 aa, 48 kDa	IF 1:50-1:500
Immunogen Catalog Number: AG9113	Observed MW: 48 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls: WB : DU 145 cells, HeLa cells, human heart tissue, HCT 116 cells, HEK-293 cells, HepG2 cells
Cited Applications: IF, IHC, WB	IP : HeLa cells,
Species Specificity: human, mouse, rat	IHC : human colon cancer tissue,
Cited Species: human, mouse, rat	IF : HeLa cells,

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

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

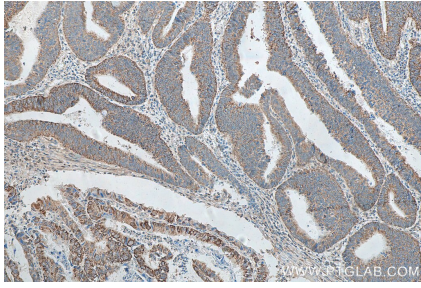
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

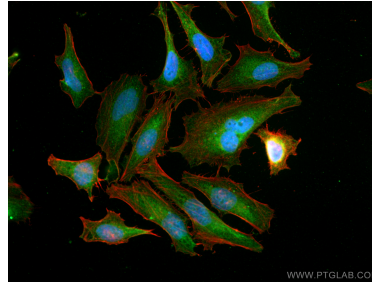
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

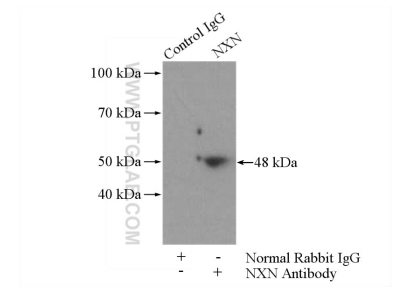
Selected Validation Data



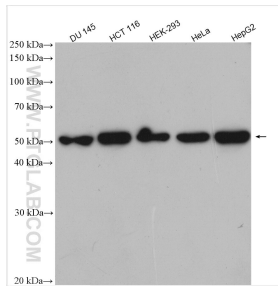
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 16128-1-AP (NXN antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



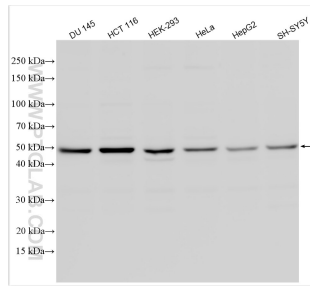
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using NXN antibody (16128-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



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.



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