

For Research Use Only

NXN Monoclonal antibody

Catalog Number: 66603-1-Ig



Basic Information

Catalog Number: 66603-1-Ig	GenBank Accession Number: BC009327	Purification Method: Protein A purification
Size: 150ul , Concentration: 2100 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 64359	CloneNo.: 2C6A4
Source: Mouse	Full Name: nucleoredoxin	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500 IF 1:400-1:1600
Isotype: IgG1	Calculated MW: 435 aa, 48 kDa	
Immunogen Catalog Number: AG9248	Observed MW: 48 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls:
Species Specificity: Human, Mouse , Rat	WB : HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human kidney tissue,
	IF : HEK-293 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.

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

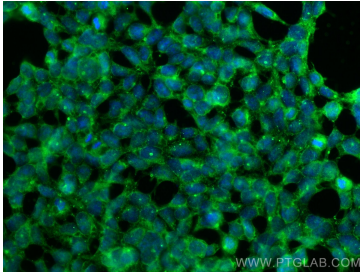
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

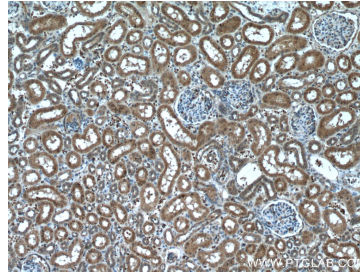
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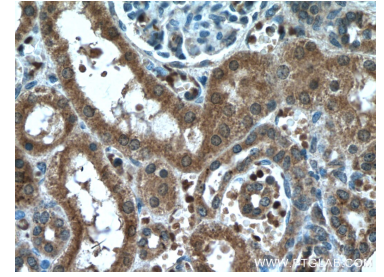
Selected Validation Data



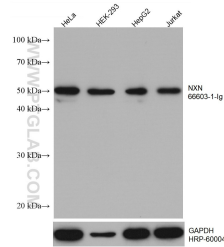
Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using NXN antibody (66603-1-Ig, Clone: 2C6A4) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 66603-1-Ig (NXN antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 66603-1-Ig (NXN antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 66603-1-Ig (NXN antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.