

For Research Use Only

# NXN Monoclonal antibody

Catalog Number: 66603-1-Ig



## Basic Information

|                                     |  |  |
|-------------------------------------|--|--|
| Catalog Number:<br>66603-1-Ig       | GenBank Accession Number:<br>BC009327                      | Purification Method:<br>Protein G purification                                       |
| Concentration:<br>1000 ug/ml        | GeneID (NCBI):<br>64359                                    | CloneNo.:<br>2C6A4   |
| Source:<br>Mouse                    | UNIPROT ID:<br>Q6DKJ4                                      | Recommended Dilutions:<br>WB 1:5000-1:50000<br>IHC 1:50-1:500<br>IF/ICC 1:400-1:1600 |
| Isotype:<br>IgG1                    | Full Name:<br>nucleoredoxin                                |  |
| Immunogen Catalog Number:<br>AG9248 | Calculated MW:<br>435 aa, 48 kDa<br>Observed MW:<br>48 kDa |  |

## Applications

|  |   |
|--|---|
| Tested Applications:<br>WB, IHC, IF/ICC, ELISA   | Positive Controls:  |
| Species Specificity:<br>human, mouse, rat  | WB : HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells |
| <b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b> | IHC : human kidney tissue,<br>IF/ICC : 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/  $\beta$ -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, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

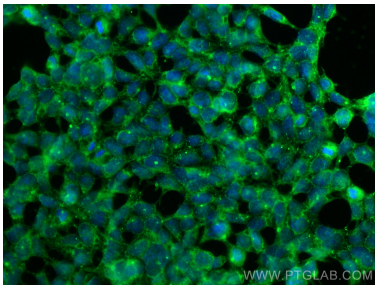
T: 4006900926

E: Proteintech-CN@ptglab.com

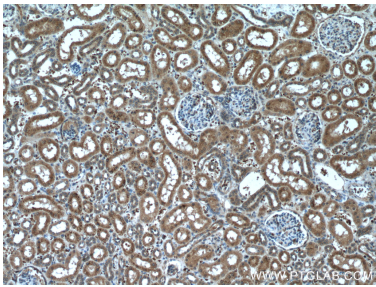
W: ptgcn.com

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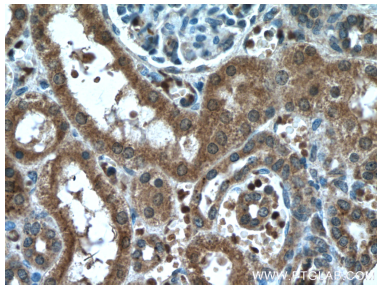
Selected Validation Data



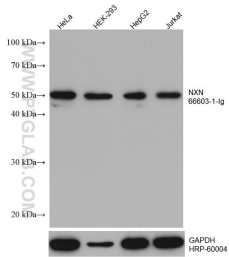
Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using NXN antibody (66603-1-Ig, Clone: 2C6A4 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



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.