

For Research Use Only

# CoraLite®594-conjugated NXN Monoclonal antibody



Catalog Number:CL594-66603

## Basic Information

<b>Catalog Number:</b> CL594-66603	<b>GenBank Accession Number:</b> BC009327	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 64359	<b>CloneNo.:</b> 2C6A4
<b>Source:</b> Mouse	<b>Full Name:</b> nucleoredoxin	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 435 aa, 48 kDa	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG9248	<b>Observed MW:</b> 48 kDa	

## Applications

<b>Tested Applications:</b> FC (Intra), IF	<b>Positive Controls:</b> IF : HEK-293 cells,
<b>Species Specificity:</b> Human, Mouse , Rat	

## 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

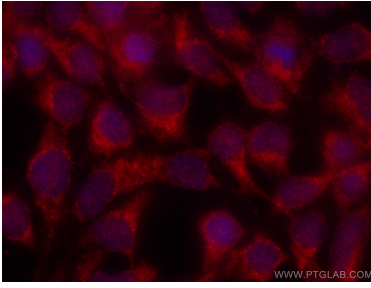
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1%BSA**

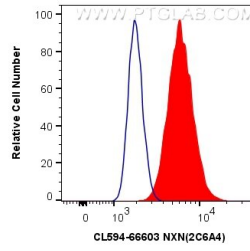
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using CoraLite®594 NXN antibody (CL594-66603, Clone: 2C6A4) at dilution of 1:200.



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human NXN (CL594-66603, Clone:2C6A4) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).