

For Research Use Only

# CoraLite®594-conjugated NXN Monoclonal antibody



Catalog Number:CL594-66603

## Basic Information

Catalog Number:

CL594-66603

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG9248

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:

Protein G purification

CloneNo.:

2C6A4

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima

wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

FC (Intra), IF/ICC

Species Specificity:

Human, Mouse, Rat

Positive Controls:

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. 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

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

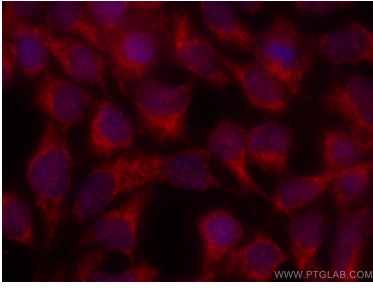
T: 4006900926

E: Proteintech-CN@ptglab.com

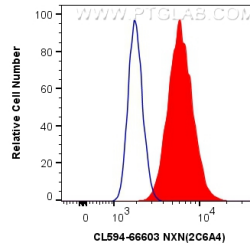
W: ptgcn.com

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using 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).