

For Research Use Only

CoraLite®555-conjugated NQO1 Polyclonal antibody



Catalog Number: CL555-11451

Featured Product

Basic Information

Catalog Number: CL555-11451	GenBank Accession Number: BC007659	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 1728	Excitation/Emission maxima wavelengths: 555 nm / 570 nm
Source: Rabbit	Full Name: NAD(P)H dehydrogenase, quinone 1	
Isotype: IgG	Calculated MW: 274 aa, 31 kDa	
Immunogen Catalog Number: AG2009	Observed MW: 31 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human

Background Information

NQO1, also named as DIA4, NMOR1, DTD and QR1, belongs to the NAD(P)H dehydrogenase (quinone) family. This enzyme apparently serves as a quinone reductase in connection with conjugation reactions of hydroquinons involved in detoxification pathways as well as in biosynthetic processes such as the vitamin K-dependent gamma-carboxylation of glutamate residues in prothrombin synthesis. It is known to be involved in benzene metabolism. In human studies of ozone exposure, polymorphisms in oxidative stress genes (NQO1, GSTM1, GSTP1) modify respiratory symptoms, lung function, biomarkers and risk of asthma. (PMID:18511640; 18848868) This antibody recognizes all the three isoforms (26-27 kDa and 31 kDa) of NQO1 and the homo-dimer form (66-70 kDa) of NQO1.

Storage

Storage:
Store at -20°C. Avoid exposure to light.

Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

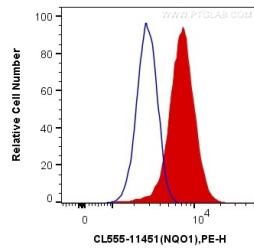
Aliquoting is unnecessary for -20°C storage

*** 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



1X10⁶ MCF-7 cells were intracellularly stained with 0.4 ug CoraLite® 555 Anti-Human NQO1 (CL555-11451) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).