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anti-NQ01 antibody (AA 118-144)

3 Images



Go to Product page

Overview

Alternative Name:

Background:

Quantity:	400 μL
Target:	NQ01
Binding Specificity:	AA 118-144
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS)
Product Details	
Immunogen:	This NQO1 antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 118-144 amino acids from the Central region of human NQO1.
Clone:	RB19087
Isotype:	lg Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by
	dialysis against PBS.
Target Details	
Target:	NQ01

NQ01 is a member of the NAD(P)H dehydrogenase(quinone) family and a cytoplasmic 2-

electron reductase. This FAD-binding protein forms homodimers and reduces quinones to

NQ01 (NQ01 Products)

Target Details

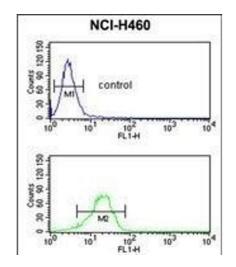
	hydroquinones. This protein's enzymatic activity prevents the one electron reduction of quinones that results in the production of radical species. Altered expression of the protein has been seen in many tumors and is also associated with Alzheimer's disease (AD).
Molecular Weight:	30868
Gene ID:	1728
NCBI Accession:	NP_000894, NP_001020604, NP_001020605
UniProt:	P15559

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

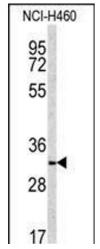
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



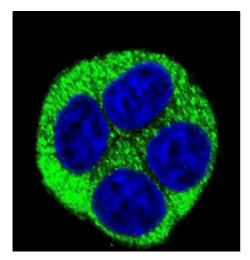
Flow Cytometry

Image 1. NQO1 antibody (Center) (ABIN391528 and ABIN2841484) flow cytometric analysis of NCI- cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of NQO1 antibody (Center) (ABIN391528 and ABIN2841484) in NCI- cell line lysates (35 μ g/lane). NQO1 (arrow) was detected using the purified Pab.



Immunofluorescence

Image 3. Confocal immunofluorescent analysis of NQO1 Antibody (Center) (ABIN391528 and ABIN2841484) with Hela cell followed by Alexa Fluor 488-conjugated goat antirabbit IgG (green). DI was used to stain the cell nuclear (blue).