

Rabbit anti-Human NQO1 Polyclonal Antibody | anti-NQO1 antibody

NQO1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288058	Rabbit	Human	Immunofluorescence, Flow Cytometry, Functional Assay, ELISA, Western Blot

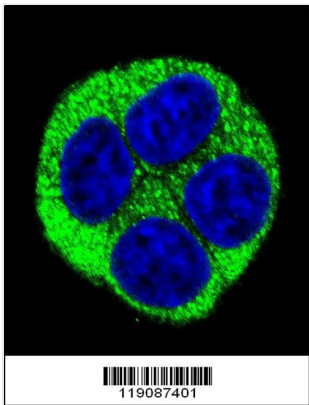
PRODUCT SYNONYMS

NQO1; Polyclonal Antibody; NQO1 Antibody (Center); NAD(P)H dehydrogenase [quinone] 1; Azoreductase; DT-diaphorase; DTD; Menadione reductase; NAD(P)H:quinone oxidoreductase 1; Phylloquinone reductase; Quinone reductase 1; QR1; DIA4; NMOR1; anti-NQO1 antibody

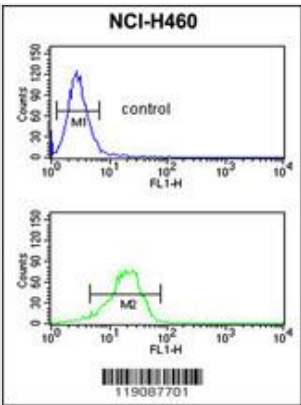
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	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.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	118-144
Sequence Length	274
Applicable Applications for anti-NQO1 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

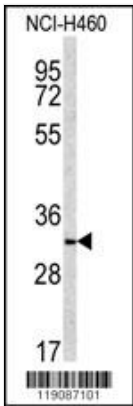
IMAGES



IF (Immunofluorescence)
Confocal immunofluorescent analysis of NQO1 Antibody (Center) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



FCM/FACS (Flow Cytometry)
NQO1 antibody (Center) flow cytometric analysis of NCI-H460 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of NQO1 antibody (Center) in NCI-H460 cell line lysates (35ug/lane). NQO1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-NQO1 antibody	NQO1 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 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).
Product Categories/Family for anti-NQO1 antibody	Metabolism; Signal Transduction
References	Hubackova,M., Vaclavikova,R. Pharmacogenet. Genomics 19 (7), 505-512 (2009) Canova,C., Hashibe,M. Cancer Res. 69 (7), 2956-2965 (2009) Li,Y. and Jaiswal,A.K. J. Biol. Chem. 267 (21), 15097-15104 (1992)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505415
NCBI GeneID	1728
NCBI Accession #	NP_000894.1; NP_001020604.1; NP_001020605.1
NCBI GenBank Nucleotide #	NM_000903.2
UniProt Accession #	P15559; Q86UK1; B2R5Y9; B4DNM7; B7ZAD1
Molecular Weight	30868

NCBI Official Full Name	NAD(P)H dehydrogenase
NCBI Official Synonym Full Names	NAD(P)H dehydrogenase, quinone 1
NCBI Official Symbol	NQO1
NCBI Official Synonym Symbols	DTD; QR1; DHQU; DIA4; NMOR1; NMORI
NCBI Protein Information	NAD(P)H dehydrogenase [quinone] 1
UniProt Protein Name	NAD(P)H dehydrogenase [quinone] 1
UniProt Gene Name	NQO1
UniProt Synonym Gene Names	DIA4; NMOR1; DTD; QR1
UniProt Entry Name	NQO1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nqo1-antibody-immunofluorescence-flow-cytometry-western-blot-elisa/288058>