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

NQO1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA170035	**Rabbit**	**Human**	**Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

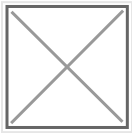
NQO1; Polyclonal Antibody; NQO1 Antibody; DHQU; DIA4; DTD; NMOR1; NMORI; QR1; anti-NQO1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	202
Applicable Applications for anti-NQO1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human NQO1
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-16464 / sc-16463 / sc-25591
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES

IHC (Immunohistochemisry)
Immunohistochemistry of paraffin-embedded human kidney using NQO1 antibody at dilution of 1:200 (200x lens).



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded human thyroid cancer using NQO1 antibody at dilution of 1:200 (200x lens).

WB (Western Blot)
Western blot analysis of extracts of various cell lines, using NQO1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-NQO1 antibody	NAD(P)H:quinone oxidoreductase 1 (NQO1) is a flavoprotein that catalyzes the two-electron reduction of quinones and their derivatives (1, 2). This enzyme protects cells against redox cycling and oxidative stress (1, 3). The expression of NQO1 is increased in liver, colon and breast tumors and non-small cell lung cancer (NSCLC) compared with the normal tissues (1, 2). Moreover, expression levels are also elevated in developing tumors, suggesting a role for NQ01 in the prevention of tumor development (1). Studies on NQO1 knockout mice suggest that the lack of NQO1 enzymatic activity changes intracellular redox states resulting in a reduction in apoptosis, which in turns leads to myeloid hyperplasia of bone marrow (2).

NCBI AND UNIPROT INFORMATION

NCBI GI #	554790420
NCBI GeneID	1728
NCBI Accession #	NP_001273066.1
NCBI GenBank Nucleotide #	NM_001286137.1
Molecular Weight	26,365 Da
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; NAD(P)H dehydrogenase [quinone] 1; DT-diaphorase; NAD(P)H:Quinone acceptor oxidoreductase type 1; NAD(P)H:menadione oxidoreductase 1; NAD(P)H:quinone oxidoreductase 1; NAD(P)H:quinone oxireductase; azoreductase; diaphorase (NADH/NADPH) (cytochrome b-5 reductase); diaphorase-4; dioxin-inducible 1; menadione reductase; phylloquinone reductase; quinone reductase 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-immunohistochemistry-western-blot-elisa/170035