

Datasheet for ABIN6944311
anti-NQO1 antibody (AA 201-274)



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Overview

Quantity:	100 µL
Target:	NQO1
Binding Specificity:	AA 201-274
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NQO1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse NQO1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat
Purification:	Purified by Protein A.

Target Details

Target:	NQO1
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Target Details

Alternative Name:	NQO1 (NQO1 Products)
Background:	Synonyms: Azoreductase, Cytochrome b 5 reductase, DHQU, DIA 4, DIA4, Diaphorase (NADH/NADPH) (cytochrome b 5 reductase), Diaphorase (NADH/NADPH) (cytochrome b-5 reductase), Diaphorase (NADH/NADPH) (cytochrome b-5 reductase), Diaphorase (NADH/NADPH), Diaphorase 4, Dioxin inducible 1, DT diaphorase, DT-diaphorase, DTD, Menadione reductase, NAD(P)H dehydrogenase [quinone] 1, NAD(P)H dehydrogenase quinone 1, NAD(P)H menadione oxidoreductase 1 dioxin inducible, NAD(P)H: menadione oxidoreductase 1 dioxin inducible 1, NAD(P)H:menadione oxidoreductase 1, NAD(P)H:Quinone acceptor oxidoreductase type 1, NAD(P)H:quinone oxidoreductase 1, NAD(P)H:quinone oxireductase, NMOR 1, NMOR I, NMOR1, NMORI, NQO 1, NQO1, NQO1_HUMAN, Phylloquinone reductase, Phylloquinone reductase, QR 1, QR1, Quinone reductase 1, Quinone reductase 1. Background: This gene is a member of the NAD(P)H dehydrogenase (quinone) family and encodes 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. Mutations in this gene have been associated with tardive dyskinesia (TD), an increased risk of hematotoxicity after exposure to benzene, and susceptibility to various forms of cancer. Altered expression of this protein has been seen in many tumors and is also associated with Alzheimer's disease (AD). Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq].

Gene ID: 18104

UniProt: [Q64669](#)

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
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Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months