

Recombinant NQO1 Monoclonal Antibody

catalog number: **AN300158P**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

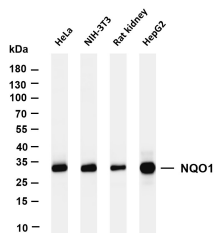
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human NQO1 Protein
Host	Rabbit
Isotype	IgG
Clone	A1272
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications

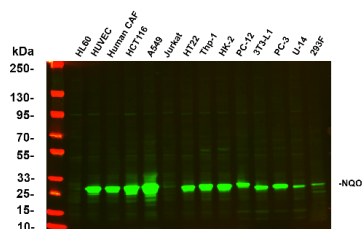
Recommended Dilution

IHC	1:200-1:1000
WB	1:1000-1:5000
IF	1:200-1:1000
ELISA	1:5000-1:20000
IP	1:50-1:200,

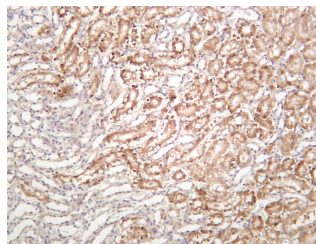
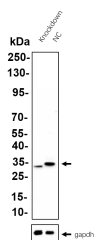
Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-NQO1 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: NIH-3T3 Lane 3: Rat kidney Lane 4: HepG2
Predicted band size: 31kDa Observed band size: 31kDa



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C over night with a 1:2500 dilution. The Dylight 800-conjugated Goat anti-Rabbit antibody was used to detect the antibody. Lane1: HL60 cell Lane2: HUVEC cell Lane3: Human CAF Lane4: HCT116 Lane5: A549 Lane6: Jurkat Lane7: HT22 Lane8: THP-1 Lane9: HK-2 Lane10: PC-12 Lane11: 3T3-L1 Lane12: PC-3 Lane13: U-14 Lane14: 293F Predicted band size: 31kDa Observed band size: 31kDa



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Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

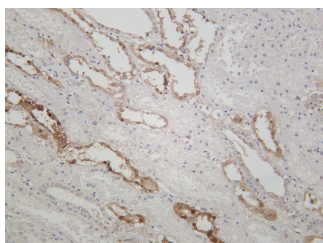
Fax: 1-832-243-6017

Rev. V1.2

Western blot analysis of lysates from Hela WT and knockdown cell. Cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with primary rabbit mAb. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody.

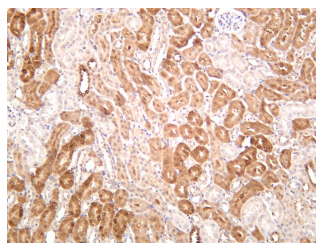
Observed-MW:31 kDa

Calculated-MW:31 kDa

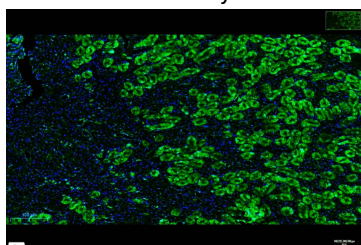


Human kidney was stained with anti-NQO1 rabbit antibody

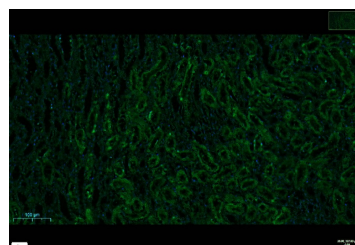
Rat kidney was stained with anti-NQO1 rabbit antibody



Mouse kidney was stained with anti-NQO1 rabbit antibody



Mouse kidney was stained with anti-NQO1 rabbit antibody



Rat kidney was stained with anti-NQO1 rabbit antibody

Preparation & Storage

Storage

Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping

Ice bag

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, Jul 2008]

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