

Summary

Production Name	NQO1 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IHC,FC,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	NQO1
Alternative Names	DTD; QR1; DHQU; DIA4; NMOR1; NMORI
Gene ID	1728.0
SwissProt ID	P15559.Purified recombinant fragment of human NQO1 expressed in E. Coli.

Application

Dilution Ratio	WB:1:500-1:2000,IHC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000
Molecular Weight	31kDa

Background

This gene is a member of the NAD(P)H dehydrogenase (quinone) family and encodes a cytoplasmic 2-electron reductase.

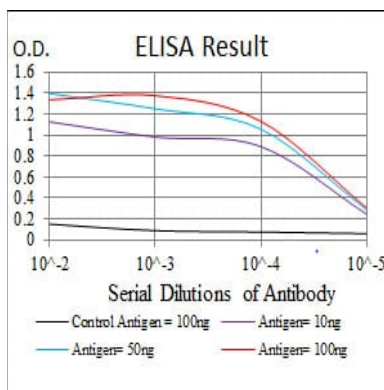
Product Name: NQO1 Mouse Monoclonal Antibody
Catalog #: AMM81061



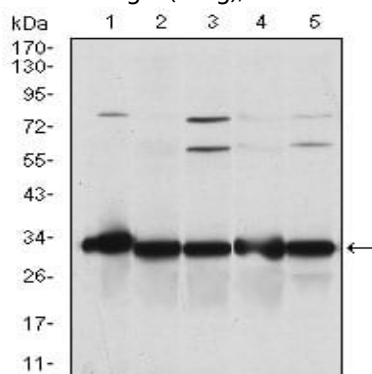
This FAD-binding protein forms homodimers and reduces quinones to hydroquinones. This protein's enzymatic activity prevents the one electron reduction of quinones that results in the production of radical species. Mutations in this gene have been associated with tardive dyskinesia (TD), an increased 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.

Research Area

Image Data

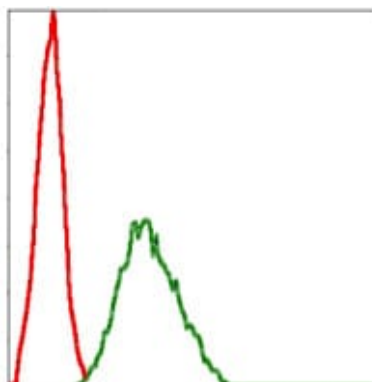


Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

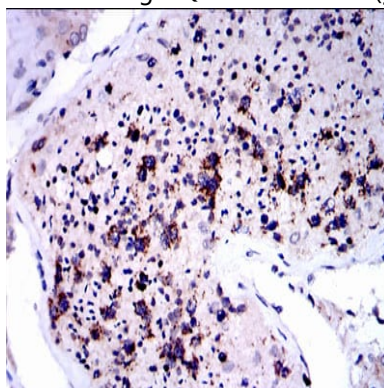


Western blot analysis using NQO1 mouse mAb against A549 (1), SKNES (2), HepG2 (3), MCF-7 (4) and Hela (5) cell lysate.

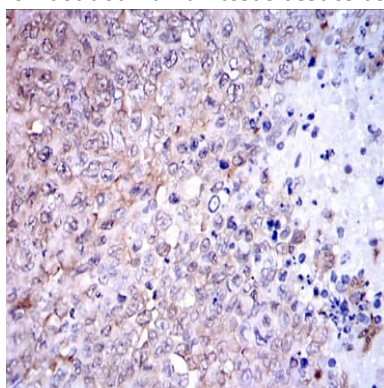
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Flow cytometric analysis of NIH/3T3 cells using NQO1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human testis tissues using NQO1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissues using NQO1 mouse mAb with DAB staining.

Note

For research use only.