

Mouse Monoclonal Antibody to NQO1

Order Information

Catalog#	30292	
Size/Concentration	100µl	50µl
Price(¥)	2180	1280

Description

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.

Specification

Aliases	: DTD; QR1; DHQU; DIA4; NMOR1; NMORI
Entrez GeneID	: 1728
Swissprot	: P15559
clone	: 4D12
WB Predicted band size	: 31kDa
Host/Isotype	: Mouse IgG1
Storage	: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Species Reactivity	: Human
Immunogen	: Purified recombinant fragment of human NQO1 expressed in E. Coli.
Formulation	: Ascitic fluid containing 0.03% sodium azide.

Application

WB	1/500 - 1/2000
IHC	1/200 - 1/1000
FCM	1/200 - 1/400
ELISA	1/10000

References

1. Mol Cancer Ther. 2009 Dec;8(12):3369-78.
2. J Biol Chem. 2009 Nov 27;284(48):33233-41.

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Protocol

WB - www.promab.com/protocol/wb.html
IHC - www.promab.com/protocol/ihc.html
ICC - www.promab.com/protocol/icc.html
HCM - www.promab.com/protocol/hcm.html

Antigen Sequence is available upon request.

Products and Services

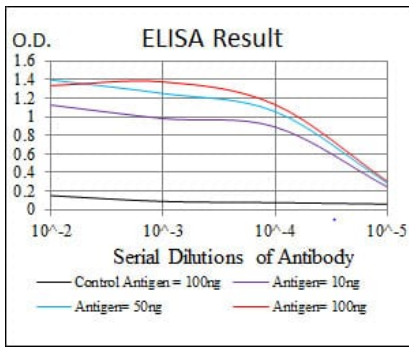
- Mouse Monoclonal Antibody
- Rat Monoclonal Antibody
- Human Antibody
- Hybridoma Sequencing
- Polyclonal Antibody

For Research Only

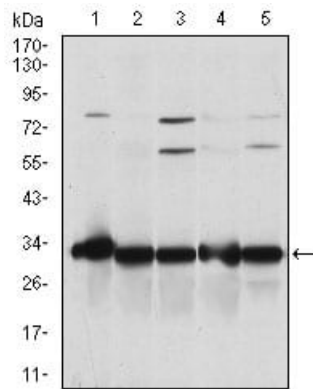
Application Key: WB - Western Blot | IHC - Immunohistochemistry | ICC - Immunocytochemistry | FCM - Flow Cytometry | ELISA - Enzyme-linked Immunosorbent Assay | IP - Immunoprecipitation

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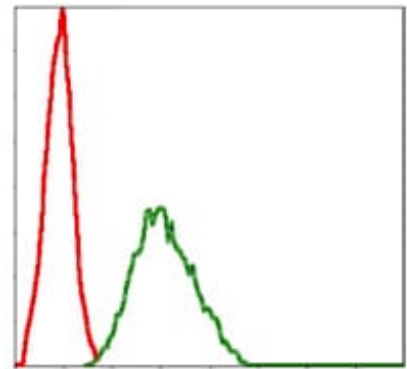
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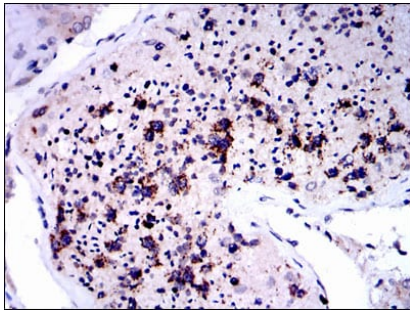
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



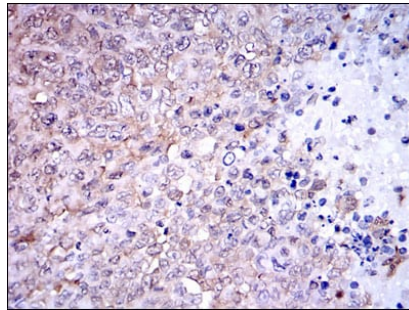
Western blot analysis using NQO1 mouse mAb against A549 (1), SKNES (2), HepG2 (3), MCF-7 (4) and Hela (5) cell lysate.



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.

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