

## NAD(P)H Dehydrogenase, Quinone 1 (NQO1) Antibody

Catalogue No.:abx015946



Western blot analysis using NQO1 antibody against human NQO1 (AA: 134-274) recombinant protein. (Expected MW is 41.3 kDa).



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



Immunohistochemical analysis of paraffin-embedded testis tissues using NQO1 antibody with DAB staining.



Immunohistochemical analysis of paraffin-embedded ovarian cancer tissues using NQO1 antibody with DAB staining.



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



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.

Target:	NAD(P)H Dehydrogenase, Quinone 1 (NQO1)
Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA, WB, IHC, FCM
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human NQO1 expressed in E. coli.
lsotype:	lgG,
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P15559 ( <u>UniProt</u> , <u>ExPASy</u> )
Gene Symbol:	NQO1
GenelD:	<u>1728</u>
OMIM:	<u>125860</u>
HGNC:	2874
Ensembl:	ENSG0000181019
Molecular Weight:	31 kDa



Buffer:

Ascitic fluid containing 0.03% sodium azide.

Concentration: Not determined.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.