

NQO1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP06152
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human NQO1. AA range:203-252
Mol wt	30868
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	NQO1 Antibody
Synonyms	NQO1; DIA4; NMOR1; NAD(P)H dehydrogenase [quinone] 1; Azoreductase; DT-diaphorase; DTD; Menadione reductase; NAD(P)H:quinone oxidoreductase 1; Phylloquinone reductase; Quinone reductase 1; QR1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

NQO1 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 NQO1 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 NAD(P)H quinone dehydrogenase 1 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.

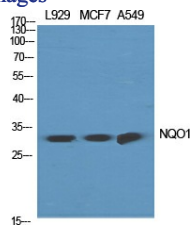
Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 10000

Not yet tested in other applications.

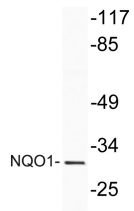
Images



Western Blot analysis of various cells using NQO1 Polyclonal Antibody diluted at 1:2000



Western Blot analysis of Jurkat cells using NQO1 Polyclonal Antibody diluted at 1:2000



Western blot analysis of lysate from HeLa cells, using NQO1 antibody.

Storage

-20°C for one year

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