

产品名称: NQO1 Rabbit Polyclonal Antibody
产品货号: APRab14866



产品概述 (Summary)

产品名称 (Production Name)	NQO1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB, ICC/IF, ELISA
种属反应性 (Reactivity)	Human, Rat, Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	NQO1 NQO1; DIA4; NMOR1; NAD(P)H dehydrogenase [quinone] 1; Azoreductase;
别名 (Alternative Names)	DT-diaphorase; DTD; Menadione reductase; NAD(P)H:quinone oxidoreductase 1; Phylloquinone reductase; Quinone reductase 1; QR1
基因 ID (Gene ID)	1728.0
蛋白 ID (SwissProt ID)	P15559. The antiserum was produced against synthesized peptide derived from human NQO1. AA range: 203-252

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000, ICC/IF 1:50-1:200, ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	31kDa

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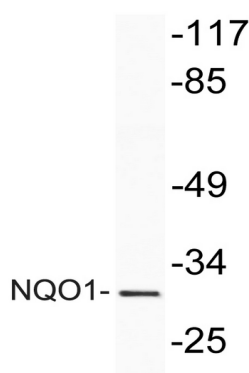
研究背景 (Background)

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], catalytic activity: NAD(P)H + a quinone = NAD(P)(+) + a hydroquinone, cofactor: FAD, enzyme regulation: Inhibited by dicoumarol, function: The enzyme apparently serves as a quinone reductase in connection with conjugation reactions of hydroquinones involved in detoxification pathways as well as in biosynthetic processes such as the vitamin K-dependent gamma-carboxylation of glutamate residues in prothrombin synthesis, induction: By dioxin, mass spectrometry: PubMed:11735396, miscellaneous: Quinone reductase accepts electrons from both NADH and NADPH with equal efficiency, polymorphism: The Ser-187 polymorphism may be linked to susceptibility to forms of cancers, similarity: Belongs to the NAD(P)H dehydrogenase (quinone) family, subunit: Homodimer,

研究领域 (Research Area)

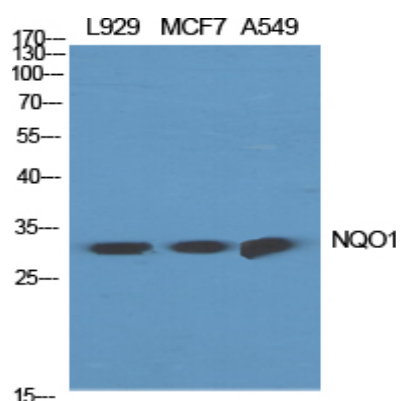
Signal Transduction

图片 (Image Data)

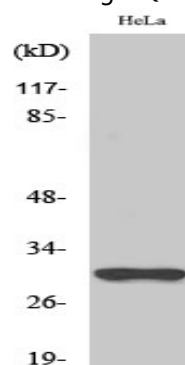


Western blot analysis of lysate from HeLa cells, using NQO1 antibody.

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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

注意事项 (Note)

For research use only .