

Datasheet for ABIN3015019
anti-NQO1 antibody (AA 1-274)



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6 Images

Overview

Quantity:	500 µL
Target:	NQO1
Binding Specificity:	AA 1-274
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NQO1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-274 of human NQO1 (NP_000894.1).
Sequence:	MVGRRALIVL AHSERTSFNY AMKEAAAAAL KKKGWEEVES DLYAMNFNPI ISRKDITGKL KDPANFQYPA ESVLAYKEGH LSPDIVAEQK KLEAADLVIF QFPLQWFGVP AILKGWFERV FIGEFAYTYA AMYDKGPFRS KKAIVLSITTG GSGSMYSLQG IHGDMNVILW PIQSGILHFC GFQVLEPQLT YSIGHTPADA RIQILEGWKK RLENIWDETP LYFAPSSLFD LNFQAGFLMK KEVQDEEKNK KFGLSVGHHL GKSIPTDNQI KARK
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

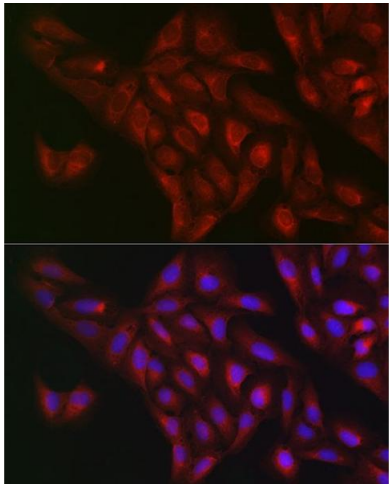
Target:	NQO1
Alternative Name:	NQO1 (NQO1 Products)
Background:	<p>This gene is a member of the NAD(P)H dehydrogenase (quinone) family and encodes a cytoplasmic 2-electron reductase. This FAD-binding protein forms homodimers and reduces quinones to hydroquinones. This protein's enzymatic activity prevents 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.,DHQU,DIA4,DTD,NMOR1,NMORI,QR1,NQO1,Epigenetics & Nuclear Signaling,RNA Binding,Cancer,Signal Transduction,Endocrine & Metabolism,Drug metabolism,NQO1</p>
Molecular Weight:	26 kDa/27 kDa/30 kDa
Gene ID:	1728
UniProt:	P15559

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

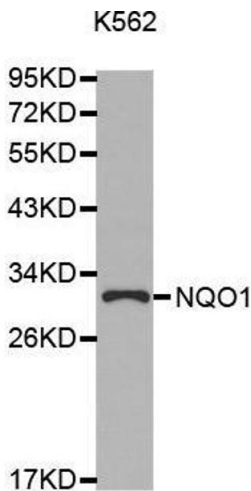
Handling

Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



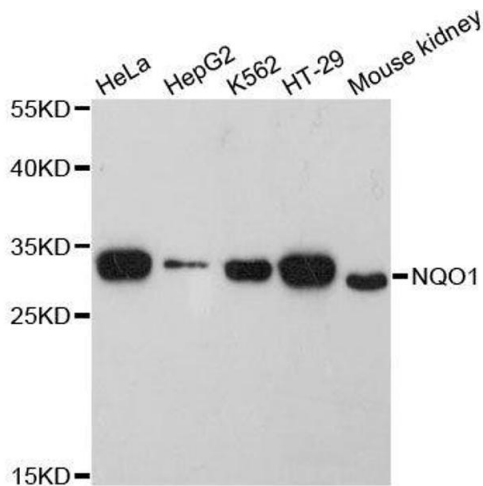
Immunofluorescence

Image 1. Immunofluorescence analysis of U2OS cells using NQO1 Rabbit pAb (ABIN1681096, ABIN3015018, ABIN3015019 and ABIN6213595) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of K562 cell line, using NQO1 antibody.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using NQO1 antibody.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN3015019.