

## ARG43340 anti-NQO1 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes NQO1
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NQO1
Species	Human
Immunogen	Synthetic peptide derived from Human NQO1.
Conjugation	Un-conjugated
Alternate Names	DTD; QR1; DHQU; DIA4; NMOR1; NMORI; NAD(P)H dehydrogenase [quinone] 1; EC 1.6.5.2; Azoreductase; DT-diaphorase; DTD; Menadione reductase; NAD(P)H:quinone oxidoreductase 1; Phylloquinone reductase; Quinone reductase 1; QR1

### Application Instructions

Application table	Application	Dilution
	FACS	1:50
	ICC/IF	1:50 - 1:200
	IP	1:50
	WB	1:1000 - 1:5000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	SH-SY5Y	
Observed Size	~ 32 kDa	

### Properties

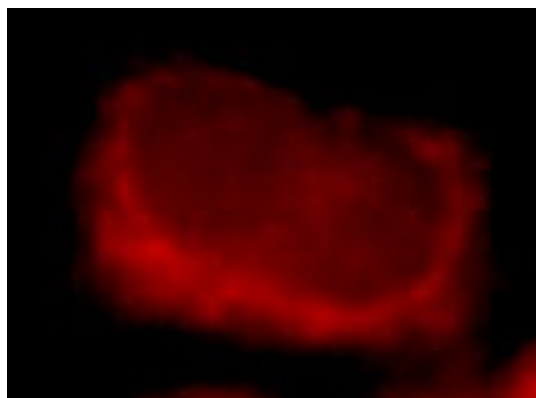
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	NQO1
Gene Full Name	NAD(P)H dehydrogenase, quinone 1
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]
Function	The enzyme apparently serves as a quinone reductase in connection with conjugation reactions of hydroquinons involved in detoxification pathways as well as in biosynthetic processes such as the vitamin K-dependent gamma-carboxylation of glutamate residues in prothrombin synthesis. [UniProt]
Highlight	<p>Related Antibody Duos and Panels:  <a href="#">ARG30345 Keap1-Nrf2-ARE Antibody Panel</a></p> <p>Related products:  <a href="#">NQO1 antibodies</a>; <a href="#">NQO1 Duos / Panels</a>; <a href="#">Anti-Rabbit IgG secondary antibodies</a>;</p> <p>Related news:  <a href="#">Keap1-Nrf2-ARE antibody panel is launched</a></p>
Calculated Mw	31 kDa
Cellular Localization	Cytoplasm. [UniProt]

## Images



ARG43340 anti-NQO1 antibody ICC/IF image

Immunofluorescence: MCF7 cells stained with ARG43340 anti-NQO1 antibody.

ARG43340 anti-NQO1 antibody WB image

Western blot: SH-SY5Y cell lysate stained with ARG43340 anti-NQO1 antibody.

