

ARG63196 anti-NQO1 antibody

Package: 100 µg, 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes NQO1
Tested Reactivity	Hu, Rat, Pig
Predict Reactivity	Dog
Tested Application	ICC/IF, IHC-P, WB
Specificity	This products is expected to recognize all three reported isoforms (NP_000894.1, NP_001020604.1 and NP_001020605.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	NQO1
Species	Human
Immunogen	C-SIPTDNQIKARK
Conjugation	Un-conjugated
Alternate Names	NMOR1; EC 1.6.5.2; NAD; DHQU; P; Quinone reductase 1; DT-diaphorase; DTD; QR1; Phylloquinone reductase; NMORI; DIA4; Menadione reductase; Azoreductase

Application Instructions

Application table	Application	Dilution
	ICC/IF	5 - 10 µg/ml
	IHC-P	5 µg/ml
	WB	0.03 - 0.3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

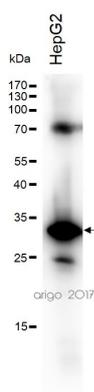
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA

Concentration	0.5 mg/ml
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 or below. 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

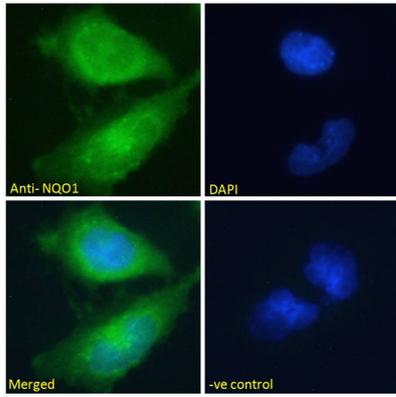
Database links	GeneID: 1728 Human GeneID: 24314 Rat Swiss-port # P05982 Rat Swiss-port # P15559 Human
Background	This gene is a member of the NAD(P)H dehydrogenase (quinone) family and encodes a cytoplasmic 2-electron reductase. This FAD-binding protein forms homodimers and reduces quinones to hydroquinones. 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]
Highlight	Related products: NQO1 antibodies ; NQO1 Duos / Panels ; Anti-Goat IgG secondary antibodies ; Related news: Keap1-Nrf2-ARE antibody panel is launched
Research Area	Metabolism antibody; Signaling Transduction antibody
Calculated Mw	31 kDa

Images



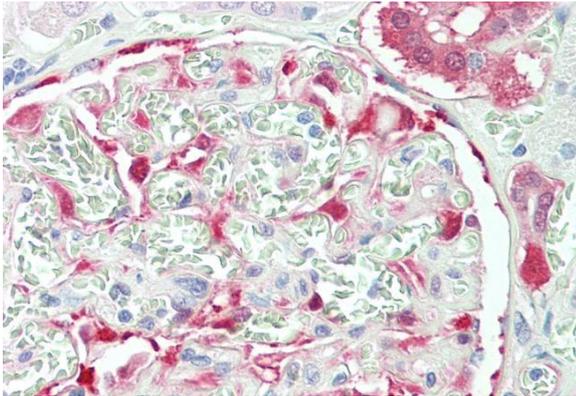
ARG63196 anti-NQO1 antibody WB image

Western blot: 30 µg of HepG2 cell lysate stained with ARG63196 anti-NQO1 antibody at 1:500 dilution.



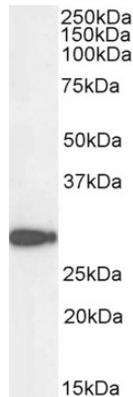
ARG63196 anti-NQO1 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed U251 cells permeabilized with 0.15% Triton. Cells were stained with ARG63196 anti-NQO1 antibody (green) at 10 $\mu\text{g}/\text{ml}$ dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 $\mu\text{g}/\text{ml}$ dilution.



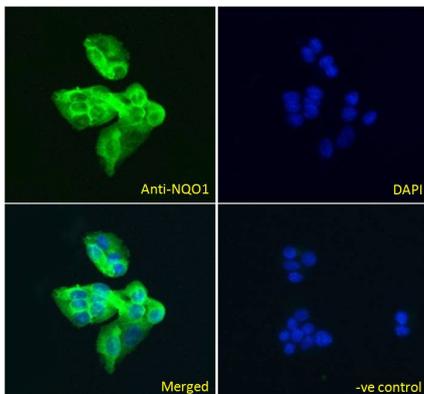
ARG63196 anti-NQO1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63196 anti-NQO1 antibody at 5 $\mu\text{g}/\text{ml}$ dilution followed by AP-staining.



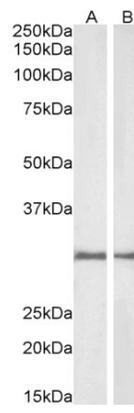
ARG63196 anti-NQO1 antibody WB image

Western blot: 35 μg of U251 cell lysate (in RIPA buffer) stained with ARG63196 anti-NQO1 antibody at 0.1 $\mu\text{g}/\text{ml}$ dilution and incubated at RT for 1 hour.



ARG63196 anti-NQO1 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed HepG2 cells permeabilized with 0.15% Triton. Cells were stained with ARG63196 anti-NQO1 antibody (green) at 5 $\mu\text{g}/\text{ml}$ dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 5 $\mu\text{g}/\text{ml}$ dilution.



ARG63196 anti-NQO1 antibody WB image

Western blot: 35 µg of Rat (A) and Pig (B) kidney lysates (in RIPA buffer) stained with ARG63196 anti-NQO1 antibody at 1 µg/ml dilution and incubated at RT for 1 hour.