

Rabbit NQO2 Polyclonal Antibody | anti-NQO2 antibody

NQO2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327043	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

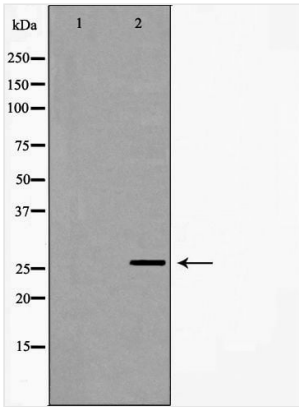
PRODUCT SYNONYMS

NQO2; Polyclonal Antibody; NQO2 Antibody; DHQV; DIA6; EC 1.10.99.2; MGC94180; NAD(P)H dehydrogenase quinone 2; NAD(P)H menadione oxidoreductase 1 dioxin inducible 2; NAD(P)H menadione oxidoreductase 2 dioxin inducible; NMOR2; NQO 2; NQO2_HUMAN; NRH dehydrogenase [quinone] 2; NRH dehydrogenase; NRH:quinone oxidoreductase 2; OTTHUMP00000015948; OTTHUMP00000015949; OTTHUMP00000015953; Ox 2; Ox2; QR2; Quinone; Quinone reductase 2; Ribosyldihyronicotinamide dehydrogenase [quinone]; Ribosyldihyronicotinamide dehydrogenase; anti-NQO2 antibody

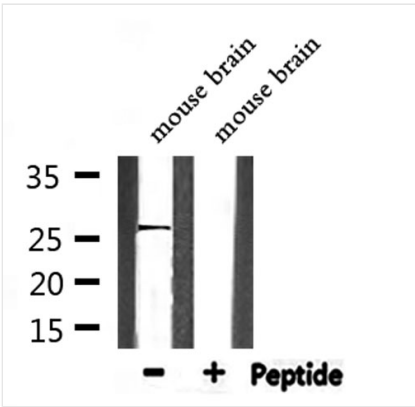
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NQO2 antibody detects endogenous levels of total NQO2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	231
Applicable Applications for anti-NQO2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NQO2
Subcellular Location	Cytoplasm.
Predicted Cross Reactivity	Pig, Horse, Rabbit, Dog, Chicken
Similarity	Pig (83%), Horse (91%), Rabbit (100%), Dog (100%), Chicken (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

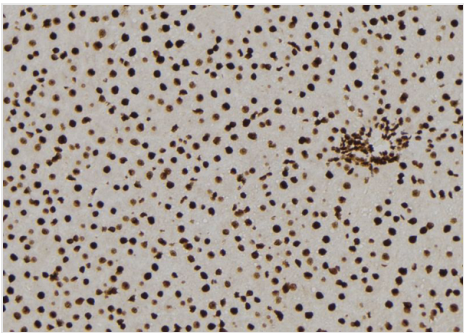
IMAGES



WB (Western Blot)
Western blot analysis of extracts of HeLa, using NQO2 antibody. The lane on the left is treated with the antigen-specific peptide.



WB (Western Blot)
Western blot analysis of extracts from mouse brain, using NQO2 Antibody.



IHC (Immunohistochemistry)
AAA327043 at 1/100 staining Rat liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-NQO2 antibody

Description: NQO2 (EC 1.10.99.2) is a flavoprotein that catalyzes the 2-electron reduction of various quinones, redox dyes, and the vitamin K menadione. NQO2 predominantly uses dihydronicotinamide riboside (NRH) as the electron donor (summary by Wu et al., 1997 [PubMed 9367528]).

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.

Subunit Structure: Homodimer.

Similarity: Belongs to the NAD(P)H dehydrogenase (quinone) family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	156564357
NCBI GeneID	4835
NCBI Accession #	NP_000895.2
NCBI GenBank Nucleotide #	NM_000904.4
UniProt Accession #	P16083; Q5TD04; B2R492
Molecular Weight	Observed: 26 kDa Predicted: 26 kDa
NCBI Official Full Name	ribosyldihydronicotinamide dehydrogenase

NCBI Official Synonym Full Names	N-ribosyldihydronicotinamide:quinone reductase 2
NCBI Official Symbol	NQO2
NCBI Official Synonym Symbols	QR2; DHQV; DIA6; NMOR2
NCBI Protein Information	ribosyldihydronicotinamide dehydrogenase [quinone]
UniProt Protein Name	Ribosyldihydronicotinamide dehydrogenase [quinone]
UniProt Gene Name	NQO2
UniProt Synonym Gene Names	NMOR2; QR2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/nqo2-antibody-immunohistochemistry-western-blot-elisa/327043>