

NQO2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14656a**Specification**

NQO2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	P16083
Other Accession	NP_000895.2
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	25919
Antigen Region	51-79

NQO2 Antibody (N-term) - Additional Information**Gene ID** 4835**Other Names**

Ribosyldihydronicotinamide dehydrogenase [quinone], NRH dehydrogenase [quinone] 2, NRH:quinone oxidoreductase 2, Quinone reductase 2, QR2, NQO2, NMOR2

Target/Specificity

This NQO2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 51-79 amino acids from the N-terminal region of human NQO2.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NQO2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NQO2 Antibody (N-term) - Protein Information**Name** NQO2

Synonyms NMOR2

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.

Cellular Location

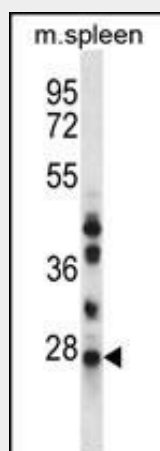
Cytoplasm.

NQO2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NQO2 Antibody (N-term) - Images



NQO2 Antibody (N-term) (Cat. #AP14656a) western blot analysis in mouse spleen tissue lysates (35ug/lane). This demonstrates the NQO2 antibody detected the NQO2 protein (arrow).

NQO2 Antibody (N-term) - Background

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]).

NQO2 Antibody (N-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Ji, L.D., et al. J. Pineal Res. 48(2):133-141(2010)

Yu, K.D., et al. Breast Cancer Res. Treat. 118(3):647-649(2009)
Choi, J.Y., et al. Clin. Cancer Res. 15(16):5258-5266(2009)
Yu, K.D., et al. Hum. Mol. Genet. 18(13):2502-2517(2009)