

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

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.

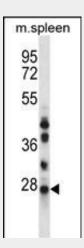
Cellular Location Cytoplasm.

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
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

NQO2 Antibody (N-term) - Images



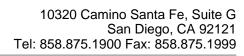
NQO2 Antibody (N-term) (Cat. #AP14656a) western blot analysis in mouse spleen tissue lysates (35ug/lane). This demonstrates the NQO2 antibody detected the NQO2 protein (arrow).

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)