

**NQO2 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14656a****Specification**

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**NQO2 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [P16083](#)

**NQO2 Antibody (N-term) Blocking Peptide - Additional Information**

**Gene ID** 4835

**Other Names**

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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**NQO2 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**NQO2 Antibody (N-term) Blocking Peptide - Images**

**NQO2 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - 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)