

NQO1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP7350b**Specification****NQO1 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P15559](#)**NQO1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID 1728****Other Names**

NAD(P)H dehydrogenase [quinone] 1, Azoreductase, DT-diaphorase, DTD, Menadione reductase, NAD(P)H:quinone oxidoreductase 1, Phylloquinone reductase, Quinone reductase 1, QR1, NQO1, DIA4, NMOR1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7350b](/products/AP7350b) was selected from the C-term region of human NQO1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

NQO1 Antibody (C-term) Blocking Peptide - Protein Information**NQO1 Antibody (C-term) Blocking Peptide - Background**

NQO1 is a member of the NAD(P)H dehydrogenase(quinone) family and 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. Altered expression of the protein has been seen in many tumors and is also associated with Alzheimer's disease (AD).

NQO1 Antibody (C-term) Blocking Peptide - References

Hubackova,M., Vaclavikova,R. Pharmacogenet. Genomics 19 (7), 505-512 (2009)Canova,C., Hashibe,M. Cancer Res. 69 (7), 2956-2965 (2009)Li,Y. and Jaiswal,A.K. J. Biol. Chem. 267 (21), 15097-15104 (1992)

Name NQO1

Synonyms DIA4, NMOR1

Function

The enzyme apparently serves as a quinone reductase in connection with conjugation reactions of hydroquinons 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.

**NQO1 Antibody (C-term) Blocking Peptide
- Protocols**

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

- [Blocking Peptides](#)