



# Human NQO1 blocking peptide (CDBP2087)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Blocking/Immunizing peptide for anti-NQO1 antibody
<b>Antigen Description</b>	This gene is a member of the NAD(P)H dehydrogenase (quinone) family and encodes 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. Mutations in this gene have been associated with tardive dyskinesia (TD), an increased risk of hematotoxicity after exposure to benzene, and susceptibility to various forms of cancer. Altered expression of this protein has been seen in many tumors and is also associated with Alzheimer's disease (AD). Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Shipped at ambient temperature, store at -20°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">NQO1 NAD(P)H dehydrogenase, quinone 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	NQO1

**Synonyms** NQO1; NAD(P)H dehydrogenase, quinone 1; DIA4, diaphorase (NADH/NADPH) (cytochrome b 5 reductase) , NMOR1; NAD(P)H dehydrogenase [quinone] 1; DHQU; DTD; QR1; azoreductase; diaphorase-4; DT-diaphorase; dioxin-inducible 1; menadione reductase; quinone reductase 1; phyloquinone reductase; NAD(P)H:quinone oxireductase; NAD(P)H:quinone oxidoreductase 1; NAD(P)H:menadione oxidoreductase 1; NAD(P)H:Quinone acceptor oxidoreductase type 1; diaphorase (NADH/NADPH) (cytochrome b-5 reductase); DIA4; NMOR1; NMORI;

<b>Entrez Gene ID</b>	<a href="#">1728</a>
<b>mRNA Refseq</b>	<a href="#">NM_000903</a>
<b>Protein Refseq</b>	<a href="#">NP_000894</a>
<b>UniProt ID</b>	P15559
<b>Chromosome Location</b>	16q12-q22
<b>Pathway</b>	Keap1-Nrf2 Pathway, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Oxidative Stress, organism-specific biosystem; Regulation of ornithine decarboxylase (ODC), organism-specific biosystem;
<b>Function</b>	NAD(P)H dehydrogenase (quinone) activity; coenzyme binding; cytochrome-b5 reductase activity; electron carrier activity; oxidoreductase activity; protein binding;