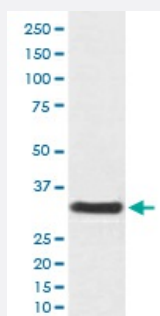


NQO1 monoclonal antibody, clone AAOB-14

Catalog # MAB20249 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of SH-SY5Y cell lysate with NQO1 monoclonal antibody.

Specification

Product Description Rabbit monoclonal antibody raised against synthetic peptide of human NQO1.

Immunogen A synthetic peptide corresponding to human NQO1.

Host Rabbit

Reactivity Human

Form Liquid

Purification Affinity purification

Isotype IgG

Recommend Usage

- Flow Cytometry (1:50)
- Immunocytochemistry (1:50-1:200)
- Immunofluorescence (1:50-1:200)
- Immunoprecipitation (1:50)
- Western Blot (1:1000-1:5000)
- The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage Instruction

Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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- Immunocytochemistry

- Immunofluorescence

- Immunoprecipitation

- Flow Cytometry

Gene Info — NQO1

Entrez GeneID[1728](#)**Protein Accession#**[P15559](#)**Gene Name**

NQO1

Gene Alias

DHQU, DIA4, DTD, NMOR1, NMORI, QR1

Gene Description

NAD(P)H dehydrogenase, quinone 1

Omim ID[125860](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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]

Other Designations

DT-diaphorase|NAD(P)H menadione oxidoreductase 1, dioxin-inducible|NAD(P)H:Quinone acceptor oxidoreductase type 1|NAD(P)H:menadione oxidoreductase 1|NAD(P)H:quinone oxidoreductase|azoreductase|diaphorase (NADH/NADPH) (cytochrome b-5 reductase)|diaphorase-4|

Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Acute Disease](#)
- [Acute Lung Injury](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [Akathisia](#)
- [Alcohol Withdrawal Delirium](#)
- [Alzheimer disease](#)
- [Anemia](#)
- [Aneuploidy](#)
- [Angina Pectoris](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Atrophy](#)
- [Balkan Nephropathy](#)
- [Barrett Esophagus](#)
- [Bipolar Disorder](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)

- [Burkitt lymphoma](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)
- [Cell Transformation](#)
- [Central Nervous System Diseases](#)
- [Chromosome Aberrations](#)
- [Chromosome Deletion](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cocarcinogenesis](#)
- [Cognition Disorders](#)
- [Colitis](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Cystic fibrosis](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [DNA Damage](#)

- [Drug Hypersensitivity](#)
- [Drug Toxicity](#)
- [Ductus Arteriosus](#)
- [Dyskinesia](#)
- [Dyskinesias](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)
- [Fetal Growth Retardation](#)
- [Gastroesophageal Reflux](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Hallucinations](#)
- [Head and Neck Neoplasms](#)
- [Helicobacter Infections](#)
- [Hematologic Neoplasms](#)
- [Hemorrhage](#)
- [Hepatitis](#)
- [Hodgkin Disease](#)
- [Infant](#)
- [Infertility](#)
- [Intracranial Aneurysm](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)
- [Leber hereditary optic neuropathy](#)
- [Leukemia](#)

- [Liver Neoplasms](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Manganese Poisoning](#)
- [Meningioma](#)
- [Metaplasia](#)
- [Micronuclei](#)
- [Mouth Neoplasms](#)
- [Multiple Myeloma](#)
- [Myelodysplastic Syndromes](#)
- [Myocardial Infarction](#)
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- [Trisomy](#)
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- [Uterine Cervical Neoplasms](#)
- [Varicocele](#)
- [Werner syndrome](#)