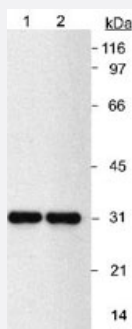


NQO1 monoclonal antibody, clone A180

Catalog # MAB2302 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of NQO1 in A-549 lysates (Lane 1 : 0.5 ug/mL . Lane 2 : 2 ug/mL) with NQO1 monoclonal antibody, clone A180 (Cat # MAB2302).

Specification

Product Description Mouse monoclonal antibody raised against full length recombinant NQO1.

Immunogen Recombinant protein corresponding to full length human NQO1.

Host Mouse

Reactivity Dog, Human, Primates, Rat

Specificity This antibody is specific to NQO1.

Form Liquid

Isotype IgG1

Quality Control Testing Antibody Reactive Against Recombinant Protein.

Recommend Usage The optimal working dilution should be determined by the end user.

Storage Buffer In Tris-glycine, 150 mM NaCl

Storage Instruction Store at -20°C or -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

Western blot analysis of NQO1 in A-549 lysates (Lane 1 : 0.5 ug/mL . Lane 2 : 2 ug/mL) with NQO1 monoclonal antibody, clone A180 (Cat # MAB2302).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunofluorescence

- Immunoprecipitation

Gene Info — NQO1

Entrez GeneID	1728
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Gene Name	NQO1
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Gene Alias	DHQU, DIA4, DTD, NMOR1, NMORI, QR1
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Gene Description	NAD(P)H dehydrogenase, quinone 1
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Omim ID	125860
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Gene Ontology	Hyperlink
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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]
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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
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Publication Reference

- [trans-Stilbene oxide induces expression of genes involved in metabolism and transport in mouse liver via CAR and Nrf2 transcription factors.](#)

Slitt AL, Cherrington NJ, Dieter MZ, Aleksunes LM, Scheffer GL, Huang W, Moore DD, Klaassen CD.

Molecular Pharmacology 2006 May; 69(5):1554.

Application: WB-Ti, Mouse, Mouse liver

- [Immunohistochemical detection of NAD\(P\)H:quinone oxidoreductase in human lung and lung tumors.](#)

Siegel D, Franklin WA, Ross D.

Clinical Cancer Research 1998 Sep; 4(9):2065.

Application: IHC-P, Human, Lung cancers, Normal lungs

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](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neuroma](#)
- [Neutropenia](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)
- [Optic Atrophy](#)

- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatitis](#)
- [Papillomavirus Infections](#)
- [Parkinson disease](#)
- [Peritoneal Neoplasms](#)
- [Pharyngeal Neoplasms](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Prenatal Exposure Delayed Effects](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psoriasis](#)
- [Psychiatric Status Rating Scales](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Schizophrenia](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Thrombocytopenia](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Trisomy](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)

- [Varicocele](#)
- [Werner syndrome](#)