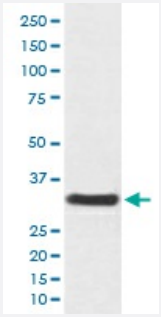
NQO1 monoclonal antibody, clone AAOB-14

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.

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Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored 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 shoul d be handled by trained staff only.

Applications

- Immunofluorescence
- Immunocytochemistry
- Flow Cytometry
- Immunoprecipitation
- Western Blot (Cell lysate)

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

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 cytoplas mic 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 th at results in the production of radical species. Mutations in this gene have been associated with ta rdive dyskinesia (TD), an increased risk of hematotoxicity after exposure to benzene, and suscept ibility 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, en coding 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 oxireductase|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

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- 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

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- 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

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- 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

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- 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

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