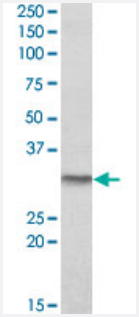
NQO1 (isoform A) polyclonal antibody

Catalog # PAB19680 Size 100 ug

Applications



Western Blot (Tissue lysate)

NQO1 (isoform A) polyclonal antibody (Cat # PAB19680) (0.3 ug/mL) staining of human kidney lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of NQO1.
Immunogen	A synthetic peptide corresponding to internal region of human NQO1.
Sequence	C-DKGPFRSKKAVLS
Host	Goat
Theoretical MW (kDa)	30.9
Reactivity	Human
Specificity	This antibody is expected to recognize reported isoform a (NP_000894.1) only.
Form	Liquid
Purification	Antigen affinity purification
Recommend Usage	ELISA (1:32000) Western Blot (0.3-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)

Storage Instruction	Store at -20°C. Aliquot to 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

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — NQO1

Entrez GeneID	1728
Protein Accession#	NP_000894.1
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
Other Designations	DT-diaphorase|NAD(P)H menadione oxidoreductase 1, dioxin-inducible|NAD(P)H:Quinone acce ptor oxidoreductase type 1|NAD(P)H:menadione oxidoreductase 1|NAD(P)H:quinone oxireducta se|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
- 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