



# NQO2 Monoclonal Antibody

Catalog No	YP-mAb-06111
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB
Gene Name	NQO2 NMOR2
Protein Name	Ribosyldihydronicotinamide dehydrogenase [quinone] (EC 1.10.99.2) (NRH dehydrogenase [quinone] 2) (NRH:quinone oxidoreductase 2) (Quinone reductase 2) (QR2)
Immunogen	Synthesized peptide derived from human protein . at AA range: 40-120
Specificity	NQO2 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	25kD
Cell Pathway	Cytoplasm.
Tissue Specificity	Brain,Liver,
Function	catalytic activity:1-(beta-D-ribofuranosyl)-1,4-dihydronicotinamide + a quinone = 1-(beta-D-ribofuranosyl)nicotinamide + a hydroquinone.,cofactor: Binds 1 zinc ion per subunit.,cofactor:FAD.,enzyme regulation:Inhibited by melatonin, resveratrol and 5-hydroxytryptamine.,function:The enzyme apparently serves as a quinone reductase in connection with conjugation reactions of hydroquinones involved in detoxification pathways as well as in biosynthetic processes such as the vitamin K-dependent gamma-carboxylation of glutamate residues in prothrombin synthesis.,miscellaneous:Uses dihydronicotinamide riboside (NRH) rather than NAD(P)H as an electron donor.,similarity:Belongs to the NAD(P)H dehydrogenase (quinone) family.,subunit:Homodimer.,
Background	This gene encodes a member of the thioredoxin family of enzymes. It is a cytosolic and ubiquitously expressed flavoprotein that catalyzes the two-electron reduction of quinone substrates and uses dihydronicotinamide riboside as a reducing coenzyme. Mutations in this gene have been associated with



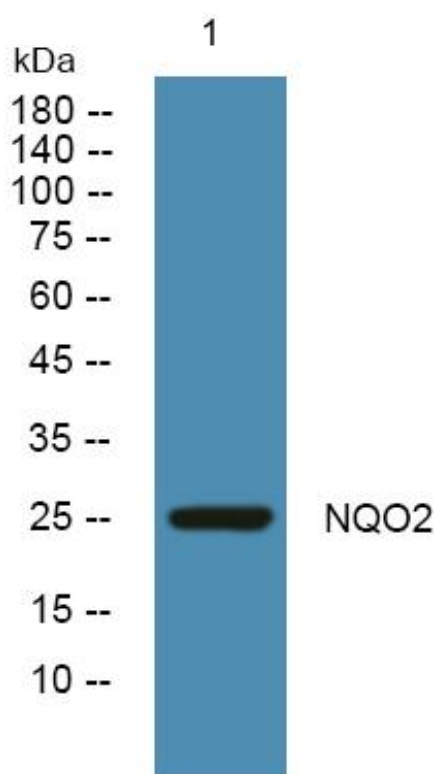
neurodegenerative diseases and several cancers. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2014],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**

Western Blot analysis of various cells using NQO2 Monoclonal Antibody