

ARG56996
anti-NQO2 antibody [7G7]Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [7G7] recognizes NQO2
Tested Reactivity	Hu, Ms
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	7G7
Isotype	IgG1, kappa
Target Name	NQO2
Species	Human
Immunogen	Recombinant fragment around aa. 1-231 of Human NQO2.
Conjugation	Un-conjugated
Alternate Names	NRH dehydrogenase [quinone] 2; NMOR2; DHQV; Quinone reductase 2; NRH:quinone oxidoreductase 2; QR2; Ribosyldihyronicotinamide dehydrogenase [quinone]; DIA6; EC 1.10.5.1

Application Instructions

Application table	Application	Dilution
	WB	1:250 - 1:500

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 18105 Mouse](#)

[GeneID: 4835 Human](#)

[Swiss-port # P16083 Human](#)

[Swiss-port # Q9JI75 Mouse](#)

Gene Symbol

NQO2

Gene Full Name

NAD(P)H dehydrogenase, quinone 2

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]

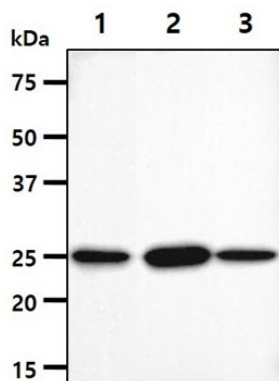
Function

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. [UniProt]

Calculated Mw

26 kDa

Images



ARG56996 anti-NQO2 antibody [7G7] WB image

Western blot: 40 µg of 1) HeLa cell lysate, 2) K562 cell lysate, 3) A549 cell lysate stained with ARG56996 anti-NQO2 antibody [7G7] at 1:1000. .