NQO1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	NQO1, Monoclonal Antibody
Full Product Name	Anti - NQO1 (NAD(P)H Dehydrogenase Quinone 1, Azoreductase, Cytochrome b-5 Reductase, DHQU, Diaphorase (NADH/NADPH) (Cytochrome b-5 Reductase), Diaphorase 4, DIA4, Dioxin Inducible 1, DT Diaphorase, DTD, Menadione Reductase, NAD(P)H Menadione Oxidoreducta
Product Gene Name	anti-NQO1 antibody
Product Synonym Names	NQO1 (NAD(P)H Dehydrogenase Quinone 1, Azoreductase, Cytochrome b-5 Reductase, DHQU, Diaphorase (NADH/NADPH) (Cytochrome b-5 Reductase), Diaphorase 4, DIA4, Dioxin Inducible 1, DT Diaphorase, DTD, Menadione Reductase, NAD(P)H Menadione Oxidoreductase 1 Di
Clonality	Monoclonal
Isotype	IgG1
Clone Number	9A53
Host	Host: Mouse Source: Human
Species Reactivity	Canine, Human, Monkey, Rat
Form/Format	Purified Tris-glycine and 150mM sodium chloride.
Purity/Purification	Purified
Concentration	~1mg/ml (lot specific)
Specificity	Specific for NQO1. It does not crossreact with NQO2. Species Crossreactivity: human and rat. Crossreacts with monkey and canine in immunohistochemistry. Cross-reactivity with mouse is extremely poor.
Preparation and Storage	May be stored at 4 degree C for short-term only. For long-term storage and to avoid repeated freezing and thawing, aliquot Store at -20 degree C. Aliquots are stable for at least 12 months at -20 degree C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.
Immunogen	Full length recombinant NQO1 (from human lung).
Cellular Localization	Cytoplasmic (primarily), nuclear (faintly)
Product Categories/Family for anti-NQO1 antibody	Abs to Proteins
Applications Tested/Suitable for anti-NQO1 antibody	Western Blot, Immunoprecipitation, Immunohistochemistry, Immunofluorescence
Application Notes for anti-NQO1 antibody	Suitable for use in Immunofluorescence, Western Blot, Immunoprecipitation and Immunohistochemistry (paraffin-embedded sections). Other applications not tested.
Related Product Information for anti-NQO1 antibody	NQO1 is a 2-electron reductase that detoxifies quinones derived from the oxidation of phenolic metabolites of benzene. Individuals homozygous for the T/T form of the 609C-T polymorphism have an increased risk of benzene hematotoxicity.
Product References and Citations for anti-NQO1 antibody	• 1. Siegel, et al. Clinical Can. Res. 4:2065-2070 (1998)2. Siegel, et al. Free Radical Biol. Med. 29:246-253 (2000)3. Slitt, A. L., Cherrington, N. J., Dieter, M. Z., Aleksunes, L. M., Scheffer, G. L., Huang, W., Moore, D. D., and Klaassen, C. D. (2006) trans-Stilbene Oxide Induces Expression of Genes Involved in Metabolism and Transport in Mouse Liver via CAR and Nrf2 Transcription Factors, 69, 1554-1563.

Other Notes	Small volumes of anti-NQO1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NQO1 purchase	MBS600793 is an antibody targeting NQO1. Also known as Anti - NQO1 (NAD(P)H Dehydrogenase Quinone 1, Azoreductase, Cytochrome b-5 Reductase, DHQU, Diaphorase (NADH/NADPH) (Cytochrome b-5 Reductase), Diaphorase 4, DIA4, Dioxin Inducible 1, DT Diaphorase, DTD, Menadione Reductase, NAD(P)H Menadione Oxidoreducta. Reactive in Canine, Human, Monkey, Rat. Host: Mouse Source: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NQO1. It may not necessarily be applicable to this product.

Protein Family	NAD(P)H dehydrogenase
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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