

32-5998: Mouse Anti Human NAD(P)H Dehydrogenase Quinone 2(Clone: PAT1E3AT.)

Clonality :	Monoclonal
Clone Name :	PAT1E3AT.
Application :	ELISA, WB
Gene :	NQO2
Gene ID :	4835
Uniprot ID :	P16083
Format :	Purified
Alternative Name :	DHQV, DIA6, QR2, EC 1.10.99.2, NMOR2, NQO2, NRH:quinone oxidoreductase 2, NRH dehydrogenase [quinone] 2, Ribosyl dihydronicotinamide dehydrogenase [quinone].
Isotype :	Mouse IgG1 heavy chain and ? light chain.
Immunogen Information :	Anti-human NQO2 mAb, is derived from hybridization of mouse FO myeloma cells with spleen cells from BALB/c mice immunized with recombinant human NQO2 amino acids 1-231 purified from E. coli.

Description

NQO2 is a flavoprotein that catalyzes the 2-electron reduction of diverse quinones, redox dyes, and the vitamin K menadione. NQO2 mainly uses dihydronicotinamide riboside (NRH) as the electron donor. NQO2 catalyzes the metabolic detoxification of quinones and their derivatives to hydroquinones. This detoxification process protects cells against quinone-induced oxidative stress, cytotoxicity and mutagenicity.

Product Info

Amount :	20 µg
Purification :	NQO2 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

NQO2 antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:250 ~ 500. Recommended starting dilution is 1:500.