

NQO1 Polyclonal Antibody

E91518

Catalog Number: E91518**Amount:** 100ul

Background: NAD(P)H:quinone oxidoreductase 1 (NQO1) is a flavoprotein that catalyzes the two-electron reduction of quinones and their derivatives (1,2). This enzyme protects cells against redox cycling and oxidative stress (1,3). The expression of NQO1 is increased in liver, colon and breast tumors and non-small cell lung cancer (NSCLC) compared with the normal tissues (1,2). Moreover, expression levels are also elevated in developing tumors, suggesting a role for NQO1 in the prevention of tumor development (1). Studies on NQO1 knockout mice suggest that the lack of NQO1 enzymatic activity changes intracellular redox states resulting in a reduction in apoptosis, which in turns leads to myeloid hyperplasia of bone marrow (2).

Species: Rabbit**Isotype:** IgG

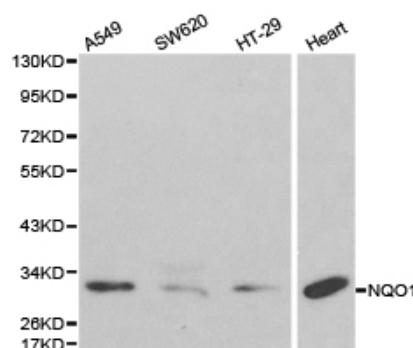
Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonyms: DHQU; DIA4; DTD; NMOR1; NMOR1; QR1;**Immunogen:** A synthetic peptide of human NQO1**Purification:** Affinity purification**Reactivity:** H M R**Applications:** WB IHC**Molecular Weight:** 31kDa**Swiss-Prot No.:** P15559**Gene ID:** 1728

References: 1. Belinsky, M. and Jaiswal, A.K. (1993) Cancer Metastasis Rev. 12, 103-117. 2. Siegel, D. et al. (1998) Clin. Cancer Res. 4, 2065-2070. 3. Long, D.J. et al. (2002) Cancer Res. 62, 3030-3036.

WB 1:500 - 1:2000

IHC 1:50- 1:200



Western blot analysis of extracts of various cell lines, using NQO1 antibody.

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