

NQO1 Antibody

NQO1, NAD(P)H dehydrogenase, quinone 1, DTD, QRI, DHQU, DIA4, NMOR1, NMORI, diaphorase-4, diaphorase (NADH/NADPH), diaphorase (NADH/NADPH) (cytochrome b-5 reductase), NAD(P)H:menadione oxidoreductase 1, dioxin-inducible 1

CATALOG NO.: 45-981

HOST:

Goat

CLONALITY:

Polyclonal

INFORMATION:

NQO1 Antibody. This product is expected to recognize all three reported isoforms (NP_000894.1, NP_001020604.1 and NP_001020605.1).

SOURCE:

NQO1 antibody was raised against a synthetic peptide of NQO1.

PROTEIN ACCESSION NUMBER(S) :

NP_000894.1, NP_001020604.1, NP_001020605.1

SPECIES REACTIVITY:

Human, Mouse, Rat

TESTED APPLICATION:

WB, E

APPLICATION:

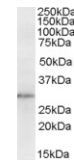
Peptide ELISA: antibody detection limit dilution 1:2,000.
Western Blot: Approx 28kDa band observed in Human Liver and Human Lung lysates (calculated MW of 30.9kDa, 27.3kDa, 26.4kDa according to NP_000894.1, NP_001020604.1 and NP_001020605.1 resp.).
Recommended concentration: 1-3µg/ml.

PURIFICATION:

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

BUFFER:

0.1mg of purified antibody in 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.



Western blot analysis of NQO1 in Human Lung lysate (RIPA buffer, 35µg total protein per lane) using NQO1 antibody (1µg/ml).

STORAGE:

Aliquot and store at -20°C. Minimize freezing and thawing.

REFERENCE:

Asher G, Lotem J, Kama R, Sachs L, Shaul Y. NQO1 stabilizes p53 through a distinct pathway. Proc Natl Acad Sci U S A. 2002 Mar 5;99(5):3099-104.

USER NOTES:

When working with antibodies optimal dilutions/concentrations should be determined by the end user for each application. The information provided is a guideline for antibody use. As with all ProSci antibodies, this antibody is for research use only.