

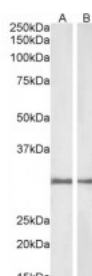


## NQO1 Antibody

CATALOG NUMBER: 45-981



Western Blot staining (0.03ug/ml) of Human Kidney lysate (RIPA buffer, 35ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



Western Blot (1ug/ml) staining of Rat (A) and Pig (B) Kidney lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence

### Specifications

<b>SPECIES REACTIVITY:</b>	Dog, Human, Mouse, Pig, Rat
<b>TESTED APPLICATIONS:</b>	ELISA, WB
<b>APPLICATIONS:</b>	ELISA: antibody detection limit dilution 1:64000. Western Blot: Approx 30kDa band observed in Human Kidney and Lung lysates and in Rat and Pig Kidney lysates (calculated MW of 30.9kDa according to NP_000894.1). Recommended concentration: 0.03-0.1ug/ml.
<b>POSITIVE CONTROL:</b>	1) Cat. No. 1302 - Human Lung Tissue Lysate
<b>SPECIFICITY:</b>	This products is expected to recognize all three reported isoforms (NP_000894.1, NP_001020604.1 and NP_001020605.1).
<b>IMMUNOGEN:</b>	NQO1 antibody was raised against a 12 amino acid synthetic peptide near the C-Terminus of NQO1.
<b>HOST SPECIES:</b>	Goat

### Properties

<b>PURIFICATION:</b>	NQO1 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	NQO1 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
<b>CONCENTRATION:</b>	500 ug/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	NQO1, NAD(P)H dehydrogenase, qui 1, DTD, QR1, 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
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**ACCESSION NO.:** NP\_000894.1, NP\_001020604.1, NP\_001020605.1

**PROTEIN GI NO.:** 4505415

**OFFICIAL SYMBOL:** NQO1

**GENE ID:** 1728

### Background

**REFERENCES:** 1) Asher G, Lotem J, Kama R, Sachs L, Shaul Y. NQO1 stabilizes p53 through a distinct pathway. Proc Natl Acad Sci USA. 2002 Mar 5;99(5):3099-104.

**FOR RESEARCH USE ONLY**

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