

Goat anti-NQO1 Antibody

Item Number	dAP-0074
Target Molecule	Principle Name: NQO1; Official Symbol: NQO1; All Names and Symbols: NQO1; NAD(P)H dehydrogenase, quinone 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; DT-diaphorase; NAD(P)H menadione; Accession Number (s): NP_000894.1; NP_001020604.1; NP_001020605.1; Human Gene ID(s): 1728; Non-Human GeneID(s): 18104 (mouse)
Immunogen	SIPTDNQIKARK, is from C Terminus This products is expected to recognize all three reported isoforms (NP_000894.1, NP_001020604.1 and NP_001020605.1).
Applications	Pep ELISA, WB, IF, IHC Species Tested: Human, Rat, Pig
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 64000.
Western Blot	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: 0.03-0.1µg/ml. Primary incubation was 1 hour.
IHC	Immunohistochemistry: Paraffin embedded Human Kidney. Recommended concentration: 5µg/ml.
Reference	Reference(s): 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. PMID: 11867746->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**