

Product datasheet for **TA323536S**

NQO2 Rabbit Polyclonal Antibody

Product data:

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|-------------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | WB: 1000-5000 WB positive control: Mouse liver tissue IHC: 50-200 Positive control: Human breast cancer Predicted cell location: Cytoplasm |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Synthetic peptide corresponding to a region derived from 190-204 amino acids of Human NAD(P)H dehydrogenase, quinone 2 |
| Formulation: | PBS pH7.3, 0.05% NaN ₃ , 50% glycerol |
| Purification: | Antigen affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 26 kDa |
| Gene Name: | NAD(P)H quinone dehydrogenase 2 |
| Database Link: | NP_000895 Entrez Gene 18105 Mouse Entrez Gene 4835 Human P16083 |



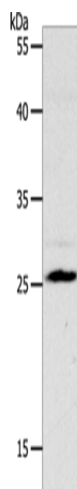
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Background:

NQO2 (EC 1.10.99.2) is a flavoprotein that catalyzes the 2-electron reduction of various quinones; redox dyes; and the vitamin K menadione. NQO2 predominantly uses dihydronicotinamide riboside (NRH) as the electron donor. The enzyme apparently serves as a quinone reductase in connection with conjugation reactions of hydroquinones involved in detoxification pathways as well as in biosynthetic processes such as the vitamin K-dependent gamma-carboxylation of glutamate residues in prothrombin synthesis.

Synonyms:

DHQV; DIA6; NMOR2; QR2

Product images:

Gel: 10%SDS-PAGE

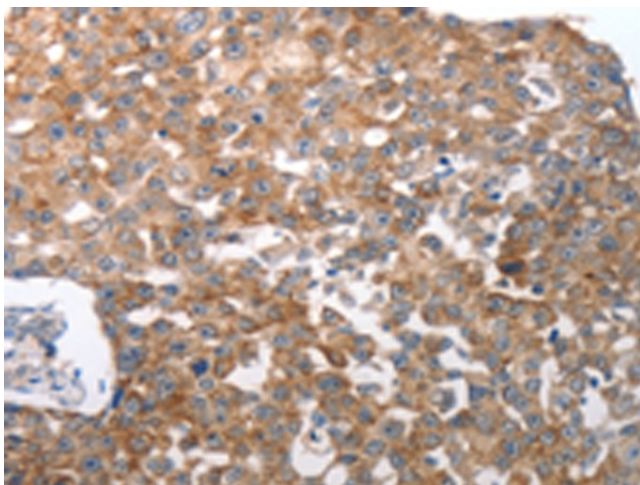
Lysate: 80 µg

Lane: Mouse liver tissue

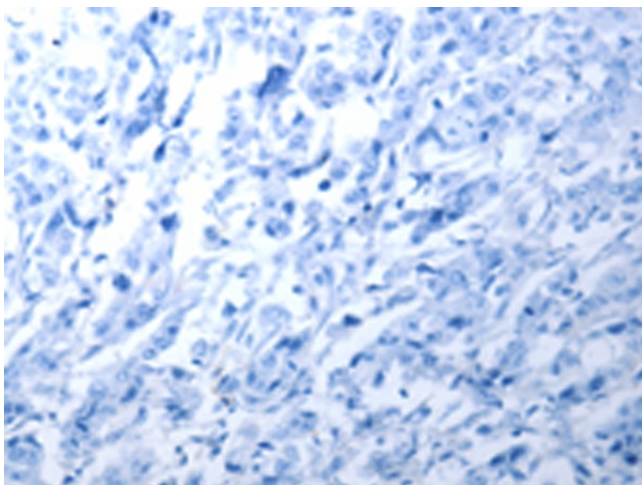
Primary antibody: [TA323536] (NQO2 Antibody)
at dilution 1/1200

Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution

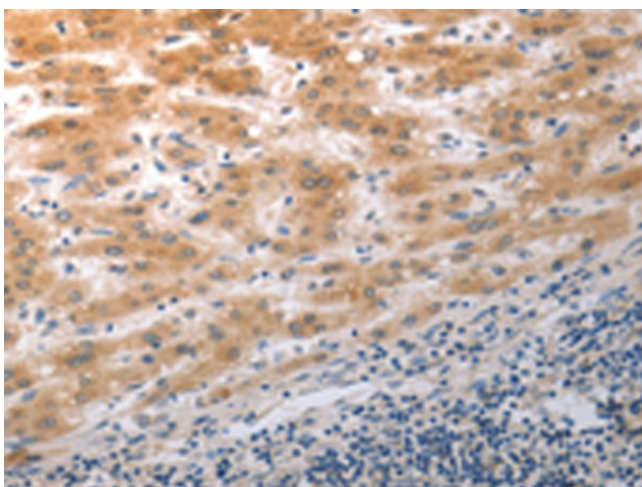
Exposure time: 45 seconds



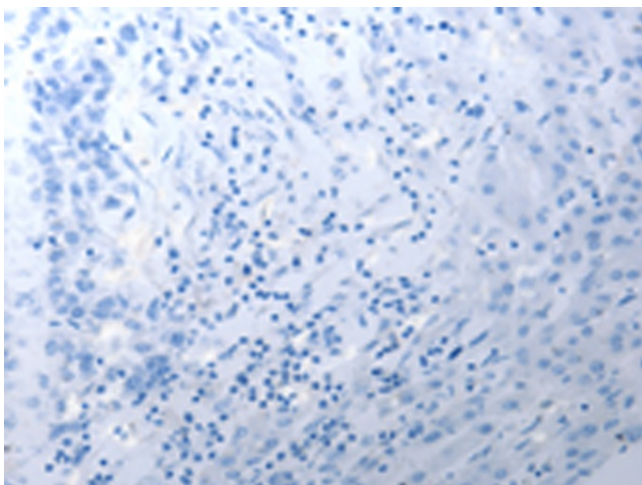
Immunohistochemistry of paraffin-embedded
Human breast cancer tissue using [TA323536]
(NQO2 Antibody) at dilution 1/50 (Original
magnification: ×200)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using [TA323536] (NQO2 Antibody) at dilution 1/50, treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA323536] (NQO2 Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA323536] (NQO2 Antibody) at dilution 1/50, treated with synthetic peptide. (Original magnification: ×200)