

# NQO1 Rabbit mAb

Catalog No.: A23486   Recombinant   11 Publications

## Basic Information

**Observed MW**

31kDa

**Calculated MW**

31kDa

**Category**

Primary antibody

**Applications**

WB, IHC-P, IP, ELISA

**Cross-Reactivity**

Human, Mouse, Rat

**Clone/No. number**

ARC0065

## Background

This gene is a member of the NAD(P)H dehydrogenase (quinone) family and encodes a cytoplasmic 2-electron reductase. This FAD-binding protein forms homodimers and reduces quinones to hydroquinones. This protein's enzymatic activity prevents the one electron reduction of quinones that results in the production of radical species. Mutations in this gene have been associated with tardive dyskinesia (TD), an increased risk of hematotoxicity after exposure to benzene, and susceptibility to various forms of cancer. Altered expression of this protein has been seen in many tumors and is also associated with Alzheimer's disease (AD). Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

## Recommended Dilutions

**WB** 1:1000 - 1:2000**IHC-P** 1:100 - 1:1000**IP** 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells**ELISA**  
Recommended starting concentration is 1 µg/mL.  
Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**

1728

**Swiss Prot**

P15559

**Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

**Synonyms**

DTD; QR1; DHQU; DIA4; NMOR1; NMOR1; NQO1

## Contact

 400-999-6126 cn.market@abclonal.com.cn www.abclonal.com.cn

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

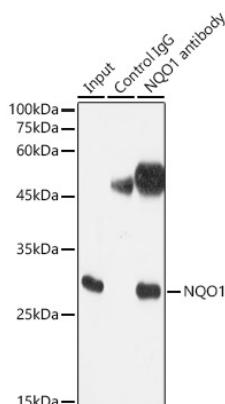
Affinity purification

**Storage**

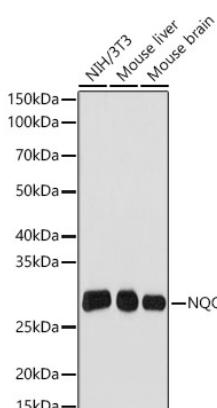
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

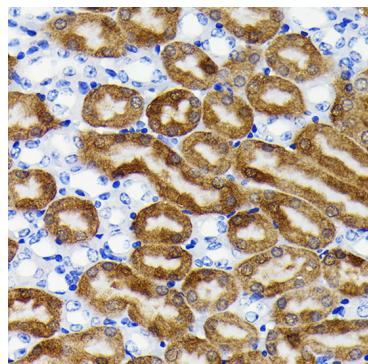
## Validation Data



Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg NQO1 antibody (A23486). Western blot was performed from the immunoprecipitate using NQO1 antibody (A23486) at a dilution of 1:1000.



Western blot analysis of various lysates, using NQO1 Rabbit mAb (A23486) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney using [KD Validated] NQO1 Rabbit mAb (A23486) at a dilution of 100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.0) prior to IHC staining.