

A23486

Leader in Biomolecular Solutions for Life Science



# NQO1 Rabbit mAb

Catalog No.: A23486

Recombinant

7 Publications

## Basic Information

### Observed MW

31kDa

### Calculated MW

31kDa

### Category

SMab Recombinant Monoclonal  
Antibody

### Applications

WB,IHC-P,IP,ELISA

### Cross-Reactivity

Human,Mouse,Rat

### CloneNo 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; NMORI; NQO1

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

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

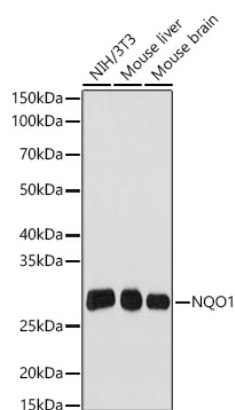
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Validation Data



Western blot analysis of various lysates, using NQO1 Rabbit mAb (A23486) at 1:1000 dilution.

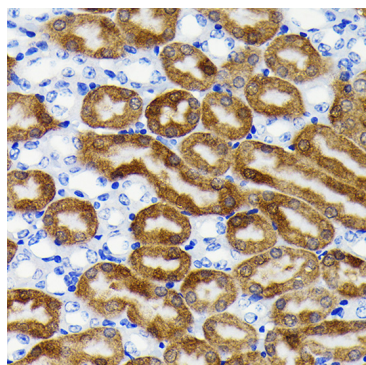
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

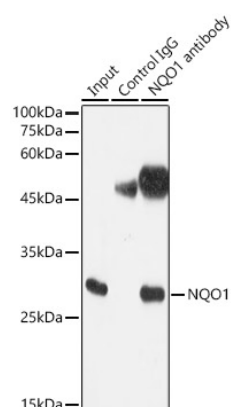
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.



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



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.