

A0047

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## NQO1 Rabbit pAb

Catalog No.: A0047

24 Publications

### Basic Information

#### Observed MW

31kDa

#### Calculated MW

31kDa

#### Category

Mouse Monoclonal Antibody

#### Applications

WB, IF/ICC, ELISA

#### Cross-Reactivity

Human, Mouse, Rat

### 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	1:100 - 1:500
IF/ICC	1:50 - 1:200

### Immunogen Information

#### Gene ID

1728

#### Swiss Prot

P15559

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-274 of human NQO1 (NP\_000894.1).

#### Synonyms

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

### Contact



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

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

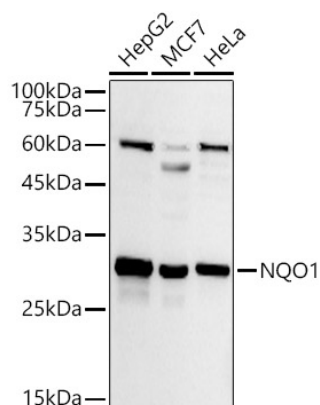
Affinity purification

#### Storage

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

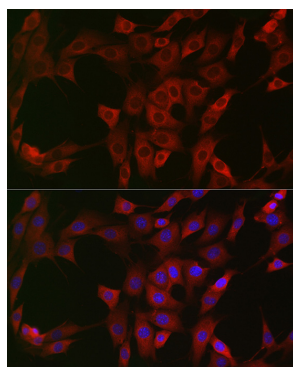
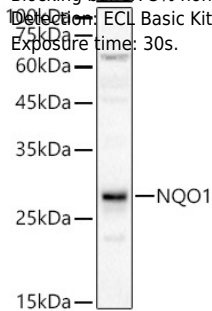
Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

## Validation Data

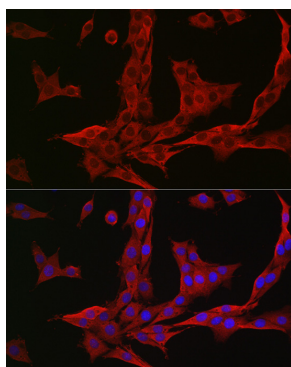


Western blot analysis of various lysates using NQO1 Rabbit pAb (A0047) at 1:400 dilution.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 3s.

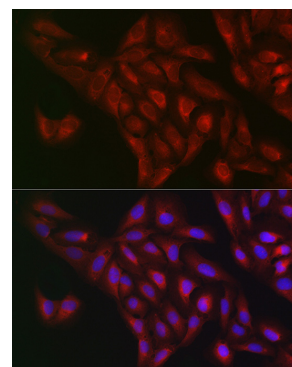
Western blot analysis of lysates from Mouse liver, using NQO1 Rabbit pAb (A0047) at 1:400 dilution.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 30s.



Immunofluorescence analysis of NIH/3T3 cells using NQO1 Rabbit pAb (A0047) at dilution of 1:50 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (A5007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using NQO1 Rabbit pAb (A0047) at dilution of 1:50 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (A5007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using NQO1 Rabbit pAb (A0047) at dilution of 1:50 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (A5007) at 1:500 dilution. Blue: DAPI for nuclear staining.