

[KO Validated] NQO1 Rabbit mAb

Catalog No.: A22290

KO Validated

Recombinant

4 Publications

Basic Information

Observed MW

31 kDa

Calculated MW

31 kDa

Category

Primary antibody

Applications

WB, IF-P, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC56754

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 1:20000 - 1:200000**IF-P** 1:100 - 1:500**IHC-P** 1:500 - 1:2000

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; [KD Validated] NQO1

Contact

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

Product Information

Source

Rabbit

Isotype

IgG

Purification

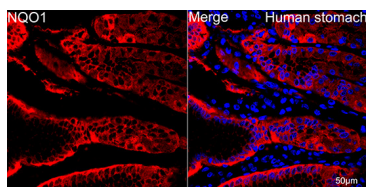
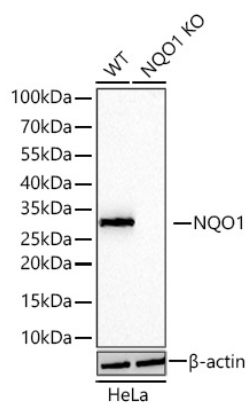
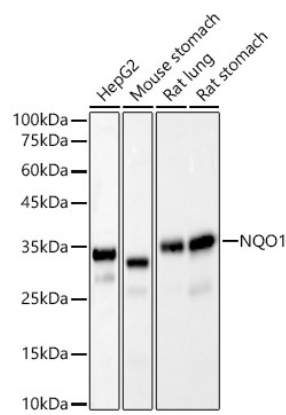
Affinity purification

Storage

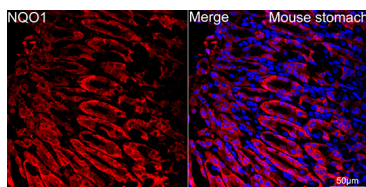
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

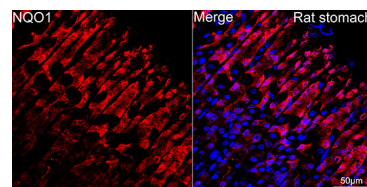
Validation Data



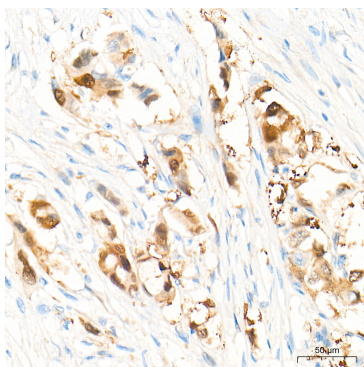
Confocal imaging of paraffin-embedded human stomach using [KO Validated] NQO1 Rabbit mAb (A22290, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.



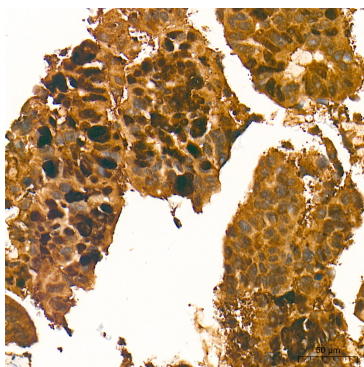
Confocal imaging of paraffin-embedded mouse stomach using [KO Validated] NQO1 Rabbit mAb (A22290, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.



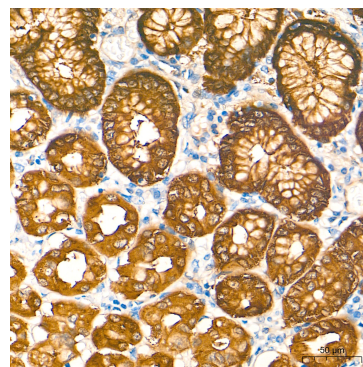
Confocal imaging of paraffin-embedded rat stomach using [KO Validated] NQO1 Rabbit mAb (A22290, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.



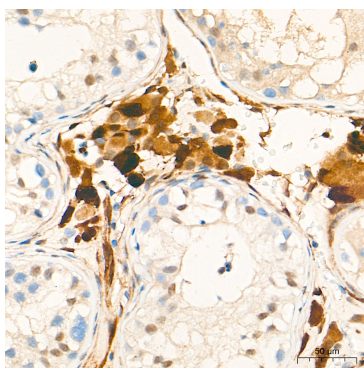
Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using [KO Validated] NQO1 Rabbit mAb (A22290) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using [KO Validated] NQO1 Rabbit mAb (A22290) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human stomach tissue using [KO Validated] NQO1 Rabbit mAb (A22290) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human testis tissue using [KO Validated] NQO1 Rabbit mAb (A22290) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.