

## Rabbit anti-Human NQO1 Polyclonal Antibody | anti-NQO1 antibody

NQO1 antibody

|                               |                       |                            |                                                                               |
|-------------------------------|-----------------------|----------------------------|-------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA305602</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunofluorescence, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|-------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

NQO1; Polyclonal Antibody; NQO1 antibody; anti-NQO1 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                         |
| Reactivity                                     | Human                                                                                                          |
| Clonality                                      | Polyclonal                                                                                                     |
| Purity/Purification                            | Purified by antigen-affinity chromatography.                                                                   |
| Form/Format                                    | Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative. |
| Sequence Length                                | 274                                                                                                            |
| Applicable Applications for anti-NQO1 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                         |
| Immunogen Type                                 | Peptide                                                                                                        |
| Immunogen Description                          | Synthetic peptide contain a sequence corresponding to a region within amino acids 213 and 274 of NQO1          |
| Target Name                                    | NQO1                                                                                                           |
| Preparation and Storage                        | Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.        |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded CL1-0 xenograft, using NQO1 antibody at 1: 500 dilution.



#### Application Data

Sample (30 ug of whole cell lysate) A: Molt-4 B: Raji 12% SDS PAGE Primary antibody diluted at 1: 1000

### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-NQO1 antibody | 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. [provided by RefSeq] |
| Product Categories/Family for anti-NQO1 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

NCBI AND UNIPROT INFORMATION

|                                  |                                    |
|----------------------------------|------------------------------------|
| NCBI GI #                        | 4505415                            |
| NCBI GeneID                      | 1728                               |
| NCBI Accession #                 | NP_000894                          |
| NCBI GenBank Nucleotide #        | NM_000903.2                        |
| Molecular Weight                 | 26,365 Da                          |
| NCBI Official Full Name          | NAD(P)H dehydrogenase              |
| NCBI Official Synonym Full Names | NAD(P)H dehydrogenase, quinone 1   |
| NCBI Official Symbol             | NQO1                               |
| NCBI Official Synonym Symbols    | DTD; QR1; DHQU; DIA4; NMOR1; NMORI |
| NCBI Protein Information         | NAD(P)H dehydrogenase [quinone] 1  |
| UniProt Protein Name             | NAD(P)H dehydrogenase [quinone] 1  |
| UniProt Gene Name                | <b>NQO1</b>                        |
| UniProt Synonym Gene Names       | DIA4; NMOR1; DTD; QR1              |
| UniProt Entry Name               | NQO1_HUMAN                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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