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**Product Name: NQO1 Rabbit Monoclonal Antibody****Catalog #: AMRe87481**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ICC/IF,FC,IP
<b>Reactivity</b>	Human, Mouse, Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.55mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:2000-1:10000,ICC/IF 1:100-1:200,FC 1:20-1:50,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW:31 kDa; Observed MW:31 kDa

**Antigen Information**

<b>Gene Name</b>	NQO1
<b>Alternative Names</b>	DTD; QR1; DHQU; DIA4; NMOR1; NMORI
<b>Gene ID</b>	1728
<b>SwissProt ID</b>	P15559
<b>Immunogen</b>	A synthetic peptide of human NQO1

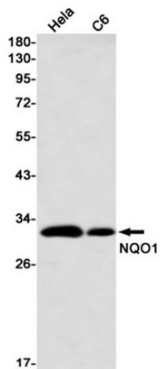
**Background**

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

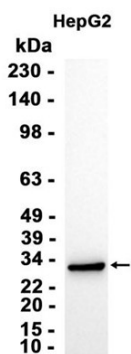
the one electron reduction of quinones that results in the production of radical species. Mutations in this gene have been associated with tardive dyskinesia (TD), an increased risk of hematotoxicity after exposure to benzene, and susceptibility to various forms of cancer. Altered expression of this 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. [provided by RefSeq, Jul 2008]

## Research Area

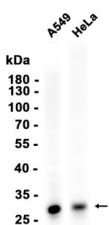
## Image Data



Western blot detection of NQO1 in HeLa, C6 cell lysates using NQO1 antibody(1:1000 diluted)



Western blot analysis of extracts from HepG2 cells using AMRe87481 at 1:1000.



Western blot analysis of extracts from A549, HeLa cells using AMRe87481 at 1:1000.