

Datasheet for ABIN2788701
anti-NQO1 antibody (C-Term)



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2 Images

Overview

Quantity:	100 µL
Target:	NQO1
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Dog, Cow, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NQO1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human NQO1
Sequence:	WKKRLENIWD ETPLYFAPSS LFDLNFQAGF LMKKEVQDEE KNKKFGLSVG
Predicted Reactivity:	Cow: 86%, Dog: 79%, Human: 100%, Rabbit: 91%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against NQO1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	NQO1
Alternative Name:	NQO1 (NQO1 Products)
Background:	This gene is a member of the NAD(P)H dehydrogenase (quinone) family and encodes a

Target Details

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.

Alias Symbols: DHQU, DIA4, DTD, NMOR1, NMORI, QR1

Protein Interaction Partner: UBC, FOS, NEDD8, SUMO1, NFE2L2, PARP1, BAG3, ITGA4, FN1, RPS10P5, POLDIP3, YTHDF1, RPS19, LAMB1, TP53, STUB1, ING1, DNAJB1, HSPA1A, NQO1, HSPA4,

Protein Size: 274

Molecular Weight: 31 kDa

Gene ID: 1728

NCBI Accession: [NM_000903](#), [NP_000894](#)

UniProt: [P15559](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 274 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

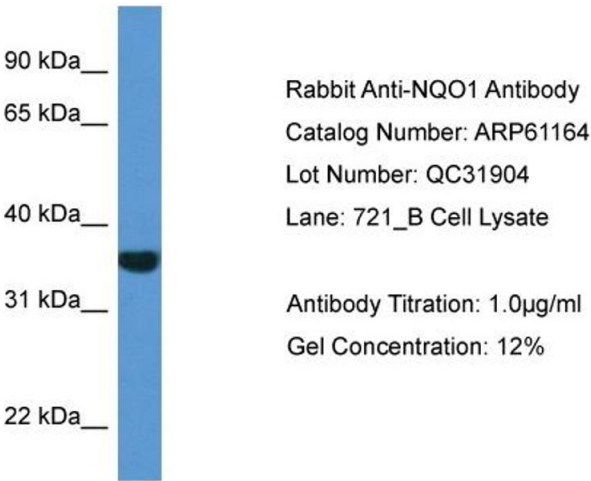
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Handling

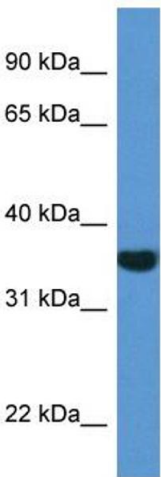
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1.



Western Blotting

Image 2. WB Suggested Anti-NQO1 Antibody Titration: 1.0 µg/mL

Positive Control: 721_B Whole Cell

There is BioGPS gene expression data showing that NQO1 is expressed in 721_B