

Datasheet for ABIN2854666
anti-NQO1 antibody (C-Term)

5 Images

1 Publication

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	NQO1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NQO1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human NQO1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Pig (Porcine), Rhesus Monkey, Cow (Bovine), Guinea Pig
Cross-Reactivity (Details):	Pig (92 %), Rhesus Monkey (100 %), Bovine (83 %), Guinea pig (100 %)
Characteristics:	Rabbit Polyclonal antibody to NQO1 (NAD(P)H dehydrogenase, quinone 1) NQO1 antibody [C2C3], C-term
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	NQO1
Alternative Name:	NQO1 (NQO1 Products)
Background:	<p>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.</p> <p>Cellular Localization: Cytoplasm</p>
Molecular Weight:	31 kDa
Gene ID:	1728

Application Details

Application Notes:	<p>Suggested dilution Reference ICC/IF 1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceICC/IF1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Western blot1:500-1:3000*</p>
Comment:	Positive Control: Molt-4 , Raji , mouse heart , rat heart
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C

Storage Comment: Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

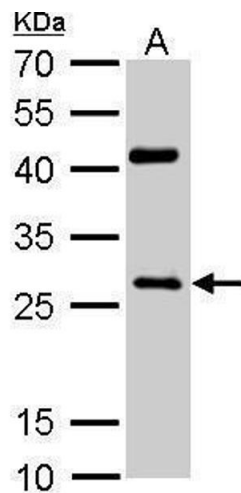
Product cited in: Manzione, Rombouts, Steklov, Pasquali, Sablina, Gelens, Qian, Bollen: "Co-regulation of the antagonistic RepoMan:Aurora-B pair in proliferating cells." in: **Molecular biology of the cell**, Vol. 31, Issue 6, pp. 419-438, (2020) ([PubMed](#)).

Huang, Zhang, Jiang, Zhang, Xiang, Ren: "FoxM1 Induced Paclitaxel Resistance via Activation of the FoxM1/PHB1/RAF-MEK-ERK Pathway and Enhancement of the ABCA2 Transporter." in: **Molecular therapy oncolytics**, Vol. 14, pp. 196-212, (2019) ([PubMed](#)).

Cohn, Feldman, Weil, Kublanovsky, Levy: "Chromatin associated SETD3 negatively regulates VEGF expression." in: **Scientific reports**, Vol. 6, pp. 37115, (2018) ([PubMed](#)).

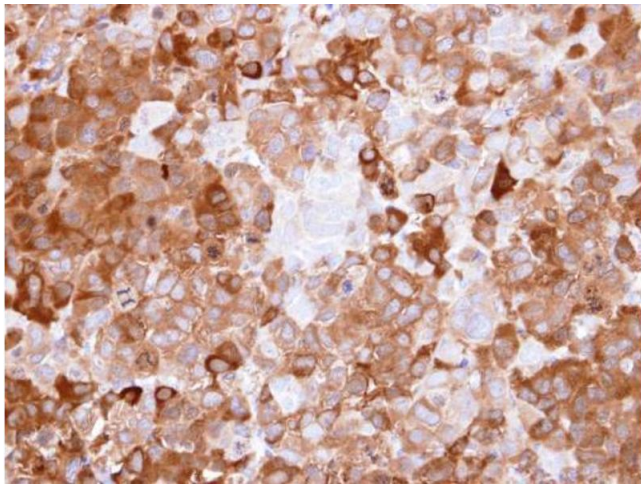
Xie, Wu, Mack, Yang, Kim, Hubert, Flavahan, Chu, Bao, Rich: "CDC20 maintains tumor initiating cells." in: **Oncotarget**, Vol. 6, Issue 15, pp. 13241-54, (2016) ([PubMed](#)).

Sanders, Ross-Innes, Beraldi, Carroll, Balasubramanian: "Genome-wide mapping of FOXM1 binding reveals co-binding with estrogen receptor alpha in breast cancer cells." in: **Genome biology**, Vol. 14, Issue 1, pp. R6, (2014) ([PubMed](#)).



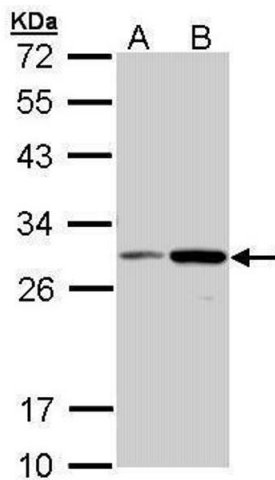
Western Blotting

Image 1. WB Image NQO1 antibody [C2C3], C-term detects NQO1 protein by Western blot analysis. A. 50 µg rat heart lysate/extract 12 % SDS-PAGE NQO1 antibody [C2C3], C-term , dilution: 1:500



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded CL1-0 xenograft, using NQO1, antibody at 1:500 dilution.



Western Blotting

Image 3. WB Image Sample (30 ug of whole cell lysate) A: Molt-4 , B: Raji 12% SDS PAGE antibody diluted at 1:1000

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2854666.