



Datasheet for ABIN678428
anti-NQO1 antibody (AA 201-274)



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2 Images

7 Publications

Overview

Quantity:	100 µL
Target:	NQO1
Binding Specificity:	AA 201-274
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NQO1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NQO1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Pig,Horse,Rabbit,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	NQO1
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Target Details

Alternative Name:	NQO1 (NQO1 Products)
Background:	<p>Synonyms: DTD, QR1, DHQU, DIA4, NMOR1, NMORI, NAD(P)H dehydrogenase [quinone] 1, Azoreductase, DT-diaphorase, Menadione reductase, NAD(P)H:quinone oxidoreductase 1, Phylloquinone reductase, Quinone reductase 1, NQO1</p> <p>Background: The enzyme apparently serves as a quinone reductase in connection with conjugation reactions of hydroquinons involved in detoxification pathways as well as in biosynthetic processes such as the vitamin K-dependent gamma-carboxylation of glutamate residues in prothrombin synthesis.</p>
Gene ID:	1728
UniProt:	P15559

Application Details

Application Notes:	<p>WB 1:300-5000</p> <p>ELISA 1:500-1000</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in: Zhang, Qu, Zheng, Zhang, Zhou, Cui, Mo, Li, Xu, Gao: "Nrf2 antioxidant pathway suppresses Numb-mediated epithelial-mesenchymal transition during pulmonary fibrosis." in: **Cell death & disease**, Vol. 9, Issue 2, pp. 83, (2019) ([PubMed](#)).

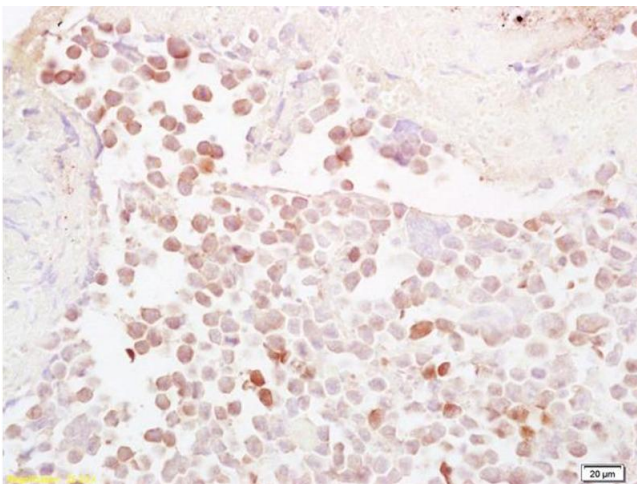
Zhang, Wang, Xie, Chen, Sinkemani, Yu, Wang, Mao, Wu: "Dysregulation of YAP by the Hippo pathway is involved in intervertebral disc degeneration, cell contact inhibition, and cell senescence." in: **Oncotarget**, Vol. 9, Issue 2, pp. 2175-2192, (2018) ([PubMed](#)).

Shen, Wu, Wang, Zhao, Zhang, Li, Zhao: "Chloroquine attenuates paraquat-induced lung injury in mice by altering inflammation, oxidative stress and fibrosis." in: **International immunopharmacology**, Vol. 46, pp. 16-22, (2017) ([PubMed](#)).

Tang, Gao, Mao, He, Liu, Cai, Lin, Wu: "Salidroside protects against bleomycin-induced pulmonary fibrosis: activation of Nrf2-antioxidant signaling, and inhibition of NF- κ B and TGF- β 1/Smad-2/-3 pathways." in: **Cell stress & chaperones**, Vol. 21, Issue 2, pp. 239-49, (2016) ([PubMed](#)).

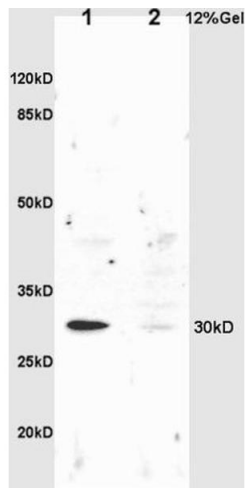
There are more publications referencing this product on: [Product page](#)

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded mouse colon carcinoma labeled with Anti-NQO1 Polyclonal Antibody, Unconjugated (ABIN678428) at 1:200, followed by conjugation to the secondary antibody and DAB staining



SDS-PAGE

Image 2. L1 rat liver lysates L2 rat brain lysates probed with Anti NQO1 Polyclonal Antibody, Unconjugated (ABIN678428) at 1:200 overnight at 4 °C. Followed by conjugation to secondary antibody at 1:3000 for 90 min at 37 °C. Predicted band 30kD. Observed band size:30kD.