

Anti-NQO1 antibody ab97385

★★★★★ [2 Abreviews](#) [4 References](#) [4 Images](#)

Overview

Product name	Anti-NQO1 antibody
Description	Rabbit polyclonal to NQO1
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide contain a sequence corresponding to a region within amino acids 213 and 224 of Human NQO1 9(NP_000894).
Positive control	293T, A431, H1299, HeLa, HepG2, MOLT4 and Raji cell lysates for WB; HeLa cells for IF; CL1-0 xenograft for IHC-P.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.00</p> <p>Preservative: 0.025% Proclin 300</p> <p>Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)</p>
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab97385 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	1/500 - 1/3000. Predicted molecular weight: 31 kDa. In some tested cell lines double bands (~26-34kDa) are seen: 293T, A431, H1299, HeLa, HepG2.
IHC-P	★★★★★ (1)	1/100 - 1/500.
ICC/IF		1/100 - 1/200.

Target

Function

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.

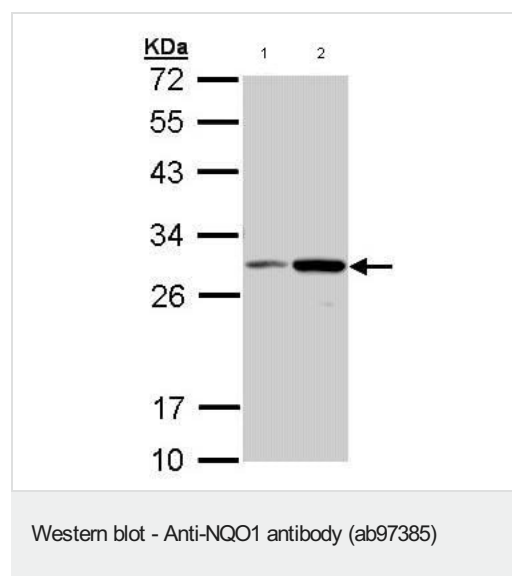
Sequence similarities

Belongs to the NAD(P)H dehydrogenase (quinone) family.

Cellular localization

Cytoplasm.

Images



All lanes : Anti-NQO1 antibody (ab97385) at 1/1000 dilution

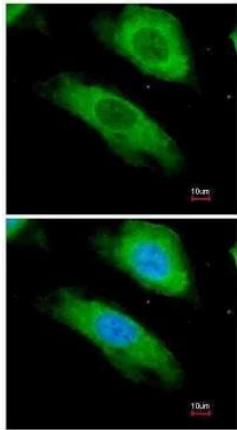
Lane 1 : MOLT4 whole cell lysate

Lane 2 : Raji whole cell lysate

Lysates/proteins at 30 µg per lane.

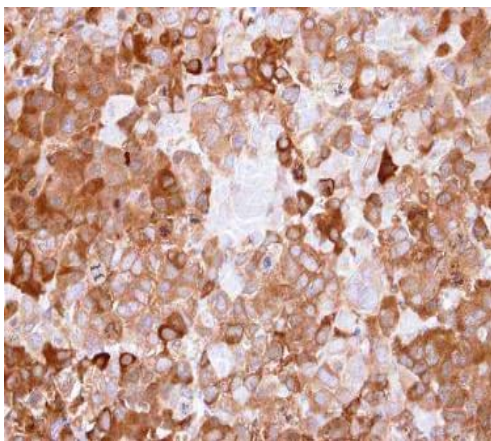
Predicted band size: 31 kDa

12% SDS PAGE



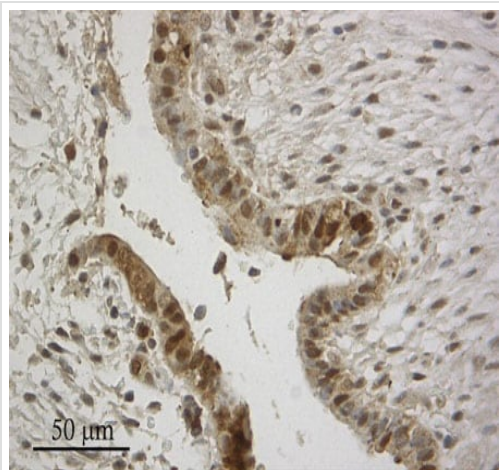
Immunofluorescence analysis of paraformaldehyde-fixed HeLa cells, using ab97385 at 1/200 dilution. Lower image merged with DNA probe.

Immunocytochemistry/ Immunofluorescence - Anti-NQO1 antibody (ab97385)



Immunohistochemical analysis of paraffin-embedded CL1-0 xenograft, using ab97385 at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NQO1 antibody (ab97385)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NQO1 antibody (ab97385)

Image from Hevir N et al., Molecular and Cellular Endocrinology, Volume 367, Issue 1-2, March 2013, Pages 74-84. Fig 4.; doi: 10.1016/j.mce.2012.12.019. Epub 2012 Dec 28 with permission from Elsevier.

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human ovarian endometriosis tissue, staining NQO1 with ab97385.

Antigen retrieval was performed in sodium citrate buffer in a microwave oven. Samples were blocked with rabbit serum for one hour before incubating overnight with primary antibody (1/200). Stained was detected using DAB.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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