Datasheet for ABIN184714

anti-NQO1 antibody (C-Term)

7 Images

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Overview

Quantity:	100 µg
Target:	NQO1
Binding Specificity:	C-Term
Reactivity:	Human, Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This NQO1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	NQO1
Immunogen:	Peptide with sequence C-SIPTDNQIKARK, from the C Terminus of the protein sequence according to NP_000894.1, NP_001020604.1, NP_001020605.1.
Sequence:	SIPTDNQIKA RK
Isotype:	IgG
Specificity:	This products is expected to recognize all three reported isoforms (NP_000894.1, NP_001020604.1 and NP_001020605.1).
Cross-Reactivity:	Dog, Human, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Product Details

Grade:	Verified

Target Details

Target:	NQO1
Alternative Name:	NQO1 (NQO1 Products)
Background:	NQO1, NAD(P)H dehydrogenase, quinone 1, DTD, QR1, DHQU, DIA4, NMOR1, NMORI, diaphorase-4, diaphorase (NADH/NADPH), diaphorase (NADH/NADPH) (cytochrome b-5 reductase), NAD(P)H:menadione oxidoreductase 1, dioxin-inducible 1, DT-diaphorase, NAD(P)H menadione
Gene ID:	1728, 18104
NCBI Accession:	NP_000894, NP_001020604, NP_001020605

Application Details

Application Notes:	Immunohistochemistry: In paraffin embedded Human Kidney shows specific staining of the glomeruli. Recommended concentration: 2-4 µg/mL. Western Blot: Approx. 30 kDa band observed in lysates of cell lines U251 and HepG2 and in Human Kidney, Lung and Duodenum lysates, and approx. 30-32 kDa band in Rat Kidney, Lung and Duodenum lysates (calculated MW of 30.9 kDa according to Human NP_000894.1 Peptide ELISA: antibody detection limit dilution 1:64000.
Comment:	**Immunofluorescence:** Expression of the protein seen in the cytoplasm and nucleus of HepG2 cells. Recommended concentration: 10µg/ml.
Restrictions:	For Research Use only

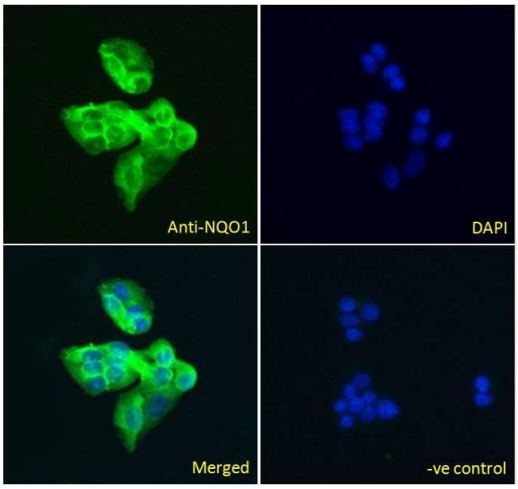
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
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

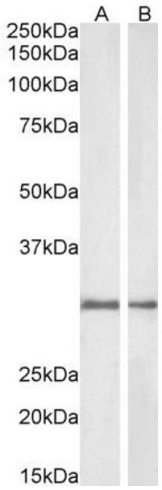
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Images



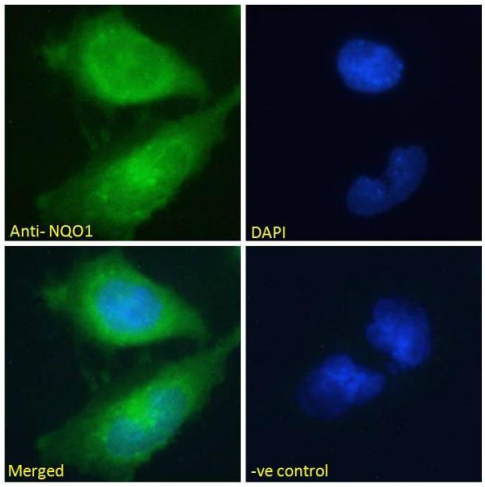
Immunofluorescence

Image 1. ABIN184714 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (5ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Western Blotting

Image 2. ABIN184714 (1µg/ml) staining of Rat (A) and Pig (B) Kidney lysate (35µg protein in RIPA buffer). Detected by chemiluminescence



Immunofluorescence

Image 3. ABIN184714 Immunofluorescence analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

Please check the product details page for more images. Overall 7 images are available for ABIN184714.