



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB10772 - Goat Anti-NQO1 (isoform a) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** NQO1, NAD(P)H dehydrogenase, quinone 1, DHQU, DIA4, DTD, NMOR1, NMORI, QR1, DT-diaphorase, NAD(P)H:Quinone acceptor oxidoreductase type 1, NAD(P)H:menadione oxidoreductase 1, NAD(P)H:quinone oxidoreductase 1, NAD(P)H:qui

**Official Symbol:** NQO1

**Accession Number(s):** NP\_000894.1

**Human GeneID(s):** [1728](#)

**Important Comments:** This antibody is expected to recognize reported isoform a (NP\_000894.1) only.

### Immunogen

Peptide with sequence C-DKGPFRSKAVLS, from the internal region of the protein sequence according to NP\_000894.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Approx 30kDa band observed in Human Kidney lysates (calculated MW of 30.9kDa according to NP\_000894.1). Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour.

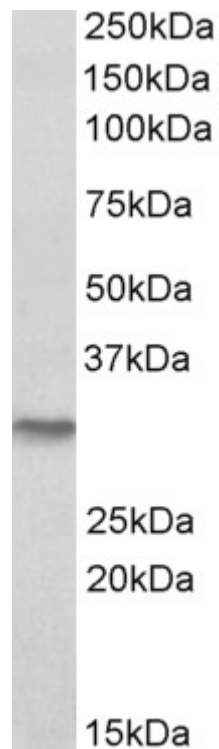
**IHC:** Paraffin embedded Human Small Intestine. Recommended concentration: 3.75µg/ml.

**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of HepG2 cells. Recommended concentration: 5µg/ml.

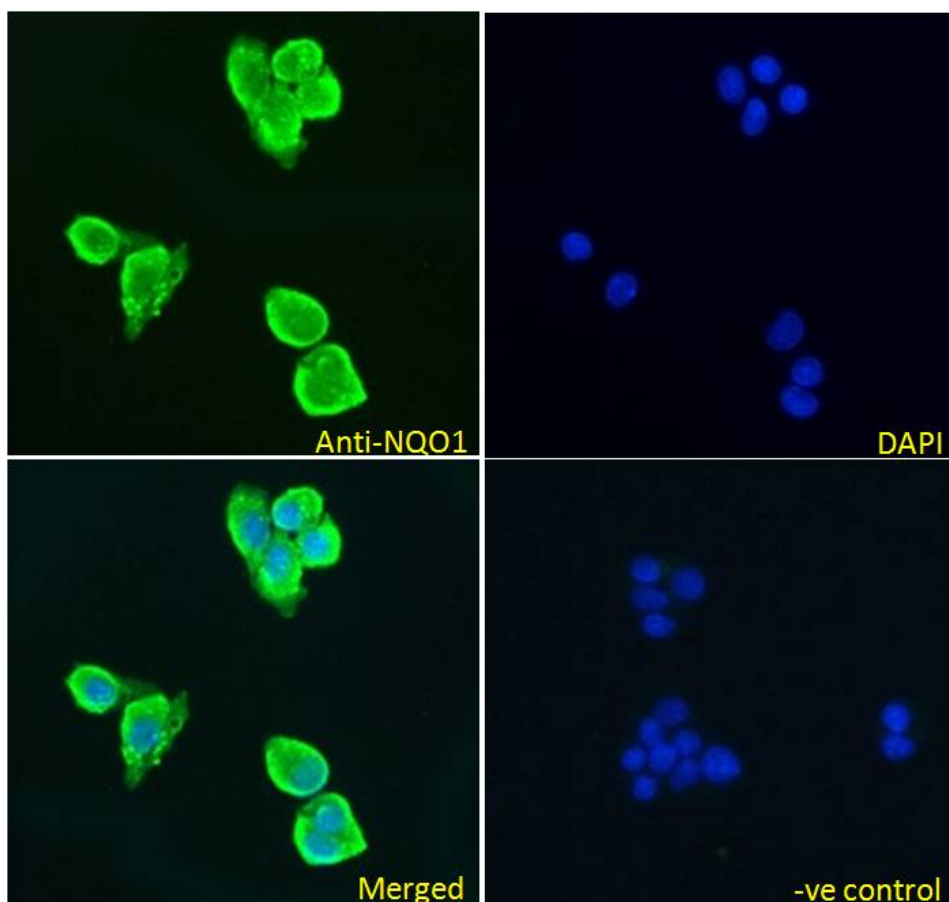
### Species Reactivity

**Tested:** Human

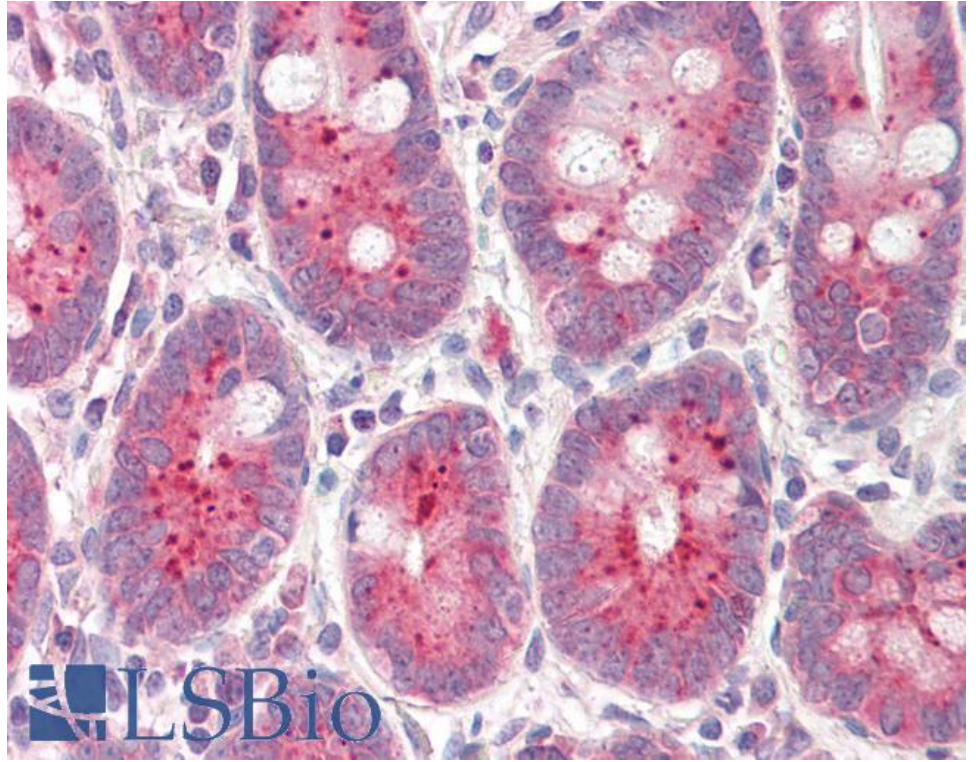
**Expected from sequence similarity:** Human, Dog, Pig, Cow



EB10772 (0.3 $\mu$ g/ml) staining of Human Kidney lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB10772 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (5 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (2 $\mu$ g/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (5 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (2 $\mu$ g/ml).



EB10772 (3.75µg/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.