

Nur für Forschungszwecke

NQO1 Polyklonaler Antikörper

Katalog-Nr.: 11451-1-AP

Vorgestelltes Produkt

246 Publikationen



Allgemeine Informationen

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| Katalog-Nr.: 11451-1-AP | GenBank-Zugangsnummer: BC007659 | Reinigungsmethode: Antigen-Affinitätsreinigung |
| Größe: 150ul, Konzentration: 550 µg/ml von Nanodrop; | GeneID (NCBI): 1728 | Empfohlene Verdünnungen: WB 1:1000-1:8000 IP 0.5-4.0 µg für IP und 1:150-1:600 für WB |
| Wirt: Kaninchen | Vollständiger Name: NAD(P)H dehydrogenase, quinone 1 | IHC 1:50-1:500 IF 1:50-1:500 |
| Isotyp: IgG | Berechnete Masse: 274 aa, 31 kDa | |
| Immunogen Katalognummer: AG2009 | Beobachtete Masse: 31 kDa | |

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
IF, IHC, WB

Getestete Reaktivität:
Human, Maus

Zitierte Arten:
Hausschwein, Huhn, Human, Maus, Rind, Ziege

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB: HepG2-Zellen, K-562-Zellen, LNCaP-Zellen, MCF-7-Zellen, NIH/3T3-Zellen

IP: HepG2-Zellen,

IHC: humanes Kolonkarzinomgewebe,

IF: HepG2-Zellen,

Hintergrundinformationen

NQO1, also named as DIA4, NMOR1, DTD and QR1, belongs to the NAD(P)H dehydrogenase (quinone) family. This enzyme apparently serves as a quinone reductase in connection with conjugation reactions of hydroquinones involved in detoxification pathways as well as in biosynthetic processes such as the vitamin K-dependent gamma-carboxylation of glutamate residues in prothrombin synthesis. It is known to be involved in benzene metabolism. In human studies of ozone exposure, polymorphisms in oxidative stress genes (NQO1, GSTM1, GSTP1) modify respiratory symptoms, lung function, biomarkers and risk of asthma. (PMID:18511640; 18848868) This antibody recognizes all the three isoforms (26-27 kDa and 31 kDa) of NQO1 and the homo-dimer form (66-70 kDa) of NQO1.

Bemerkenswerte Veröffentlichungen

| Verfasser | Pubmed ID | Journal | Anwendung |
|---------------|-----------|-----------------|-----------|
| Xuan Wang | 36167857 | Nat Commun | WB |
| Zengxin Jiang | 36238561 | Front Pharmacol | WB |
| Taiwei Wang | 36169181 | Oncol Rep | WB |

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

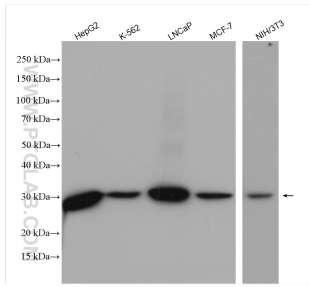
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

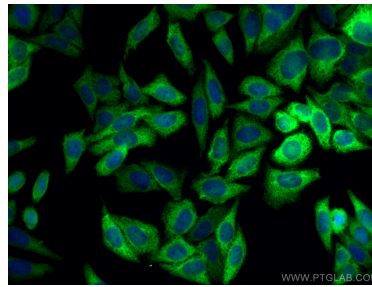
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

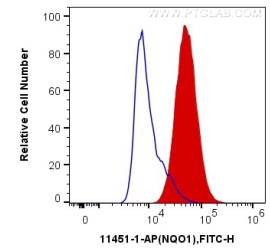
Ausgewählte Validierungsdaten



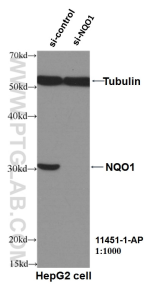
HepG2 cells were subjected to SDS PAGE followed by western blot with 11451-1-AP (NQO1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



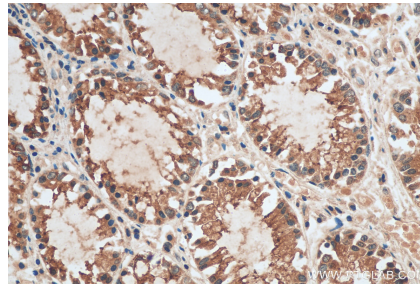
Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using NQO1 antibody (11451-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



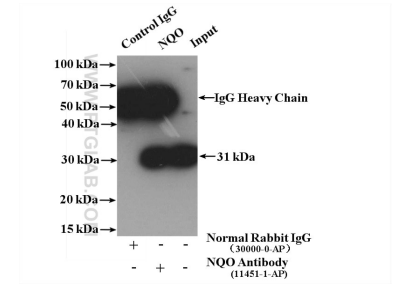
1X10⁶ MCF-7 cells were intracellularly stained with 0.2 ug Anti-Human NQO1 (11451-1-AP) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



WB result of NQO1 antibody (11451-1-AP, 1:1000) with si-control and si-NQO1 transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11451-1-AP (NQO1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-NQO1 (IP:11451-1-AP, 4ug; Detection:11451-1-AP 1:300) with HepG2 cells lysate 3000 ug.