

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 67240-1-Ig	<b>GenBank-Zugangsnummer:</b> BC007659	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 150ul, Konzentration: 2200 µg/ml von 1728 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 1728	<b>CloneNo.:</b> 1E5G7
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> NAD(P)H dehydrogenase, quinone 1	<b>Empfohlene Verdünnungen:</b> WB 1:5000-1:50000 IHC 1:2500-1:10000
<b>Isotyp:</b> IgG2a	<b>Berechnete Masse:</b> 274 aa, 31 kDa	
<b>Immunogen Katalognummer:</b> AG28933	<b>Beobachtete Masse:</b> 29-31 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> FC, IHC, WB, ELISA	<b>Positivkontrollen:</b> WB : HepG2-Zellen, K-562-Zellen, L02-Zellen IHC : humanes Kolongewebe,
<b>In Publikationen genannte Anwendungen:</b> IHC, WB	
<b>Getestete Reaktivität:</b> Human, Ratte	
<b>Zitierte Arten:</b> Hausschwein, Human, Maus, Ratte	
<b>Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b>	

## 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 )

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Jinliang Liu	34630847	Oxid Med Cell Longev	WB
Lei Zhao	34582963	Food Chem Toxicol	WB
Kang Wang	36139913	Antioxidants (Basel)	WB

## Lagerung

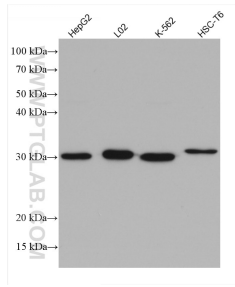
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

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

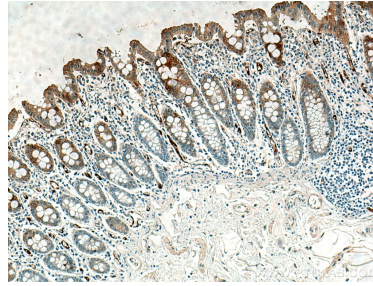
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

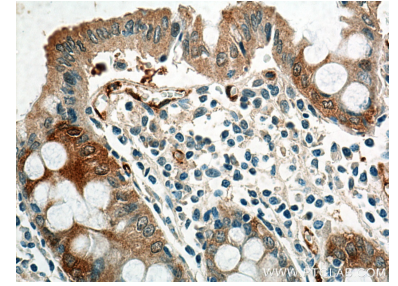
## Ausgewählte Validierungsdaten



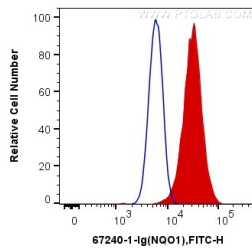
Various lysates were subjected to SDS PAGE followed by western blot with 67240-1-Ig (NQO1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 67240-1-Ig (NQO1 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 67240-1-Ig (NQO1 antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.4 ug Anti-Human NQO1 (67240-1-Ig, Clone:1E5G7) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2a Isotype Control (66360-2-Ig, Clone: K11A1B2A2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).