

# Product Datasheet

## NQO-1 Antibody - BSA Free

### NBP1-85223

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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#### Publications: 4

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**NBP1-85223**

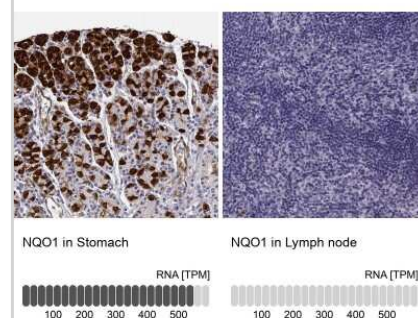
NQO-1 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Description	Novus Biologicals Rabbit NQO-1 Antibody - BSA Free (NBP1-85223) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-NQO-1 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1728
Gene Symbol	NQO1
Species	Human, Mouse
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Rat (85%). Mouse reactivity reported in scientific literature (PMID: 26422507).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: FRSKKAVLSITTGGSGSMYSLQGIHGDMNVILWPIQSGILHFCGFGVLEPQLTY SIGHTPADARIQILEGWKKRLENIWDETPLYFAPSSLFDLNFQAGFLMKKEVQD EEKNKKFGLSVGHHLGKSIPTDNQIKAR
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	IHC reported in scientific literature (PMID: 26422507). For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

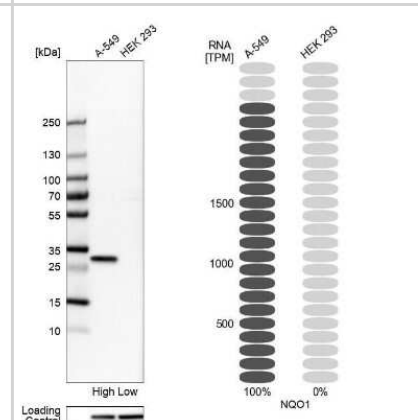


## Images

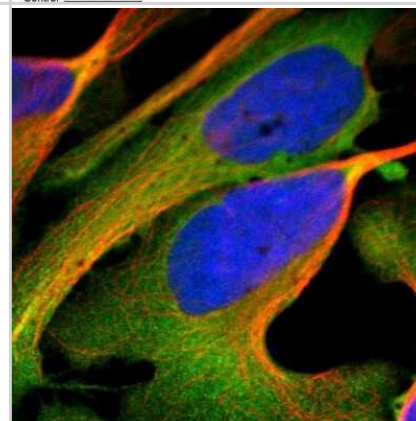
Immunohistochemistry-Paraffin: NQO-1 Antibody [NBP1-85223] - Staining in human stomach and lymph node tissues.. Corresponding NQO1 RNA-seq data are presented for the same tissues.



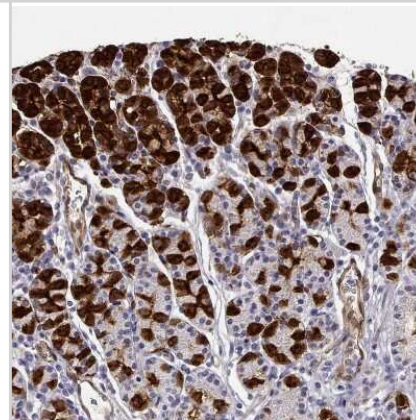
Western Blot: NQO-1 Antibody [NBP1-85223] - Analysis in human cell lines A-549 and HEK293 using Anti-NQO1 antibody. Corresponding NQO1 RNA-seq data are presented for the same cell lines. Loading control: Anti-HSP90B1.



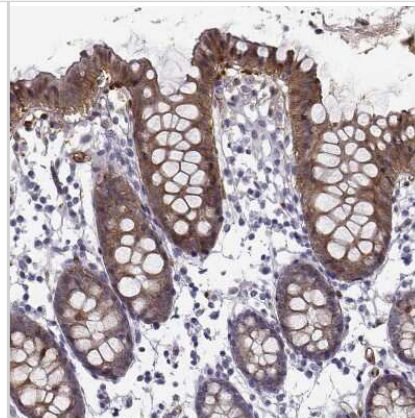
Immunocytochemistry/Immunofluorescence: NQO-1 Antibody [NBP1-85223] - Immunofluorescent staining of human cell line U-2 OS shows localization to cytosol. Antibody staining is shown in green.



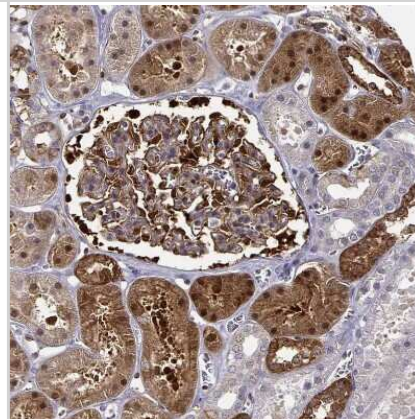
Immunohistochemistry-Paraffin: NQO-1 Antibody [NBP1-85223] - Staining of human stomach shows strong cytoplasmic positivity in glandular cells.



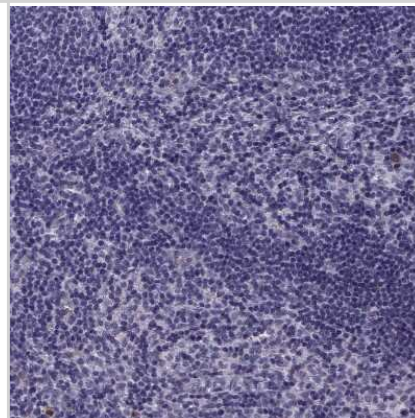
Immunohistochemistry-Paraffin: NQO-1 Antibody [NBP1-85223] - Staining of human colon shows strong cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: NQO-1 Antibody [NBP1-85223] - Staining of human kidney shows strong cytoplasmic positivity in cells in tubules.



Immunohistochemistry-Paraffin: NQO-1 Antibody [NBP1-85223] - Staining of human lymph node shows no positivity in non - germinal center cells as expected.



## Publications

Gina M DeNicola, Pei-Hsuan Chen, Edouard Mullarky et al. NRF2 regulates serine biosynthesis in non-small cell lung cancer. *Nature Genetics* 2015-10-19 [PMID: 26482881] (WB, Human)

Luke M Shelton, Adam Lister, Joanne Walsh et al. Integrated transcriptomic and proteomic analyses uncover regulatory roles of Nrf2 in the kidney. *Kidney International* 2015-09-30 [PMID: 26422507] (IF/IHC, Mouse)

Schulze K, Imbeaud S, Letouze E et al. Exome sequencing of hepatocellular carcinomas identifies new mutational signatures and potential therapeutic targets. *Nat Genet* 2015-05-01 [PMID: 25822088]

Heitz FD, Erb M, Anklin C et al. Idebenone Protects against Retinal Damage and Loss of Vision in a Mouse Model of Lebers Hereditary Optic Neuropathy. *PLoS One* 2012-01-01 [PMID: 23028832]



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### **Products Related to NBP1-85223**

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NBP1-85223PEP	NQO-1 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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