

## Product datasheet for **TA504781BM**

### **NQO2 Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI3G4]**

#### **Product data:**

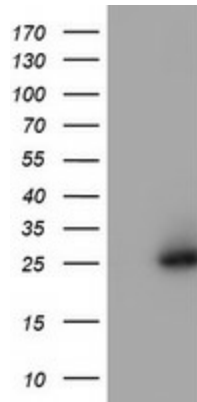
<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI3G4
<b>Applications:</b>	IHC, WB
<b>Recommended Dilution:</b>	WB 1:500~2000, IHC 1:150
<b>Reactivity:</b>	Human, Dog, Monkey, Mouse
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human NQO2(NP_000895) produced in HEK293T cell.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol.
<b>Concentration:</b>	0.5 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	HRP
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	25.7 kDa
<b>Gene Name:</b>	N-ribosyldihyronicotinamide:quinone reductase 2
<b>Database Link:</b>	<a href="#">NP_000895</a> <a href="#">Entrez Gene 18105 Mouse</a> <a href="#">Entrez Gene 606932 Dog</a> <a href="#">Entrez Gene 707675 Monkey</a> <a href="#">Entrez Gene 4835 Human</a> <a href="#">P16083</a>
<b>Background:</b>	NQO2 (EC 1.10.99.2) is a flavoprotein that catalyzes the 2-electron reduction of various quinones, redox dyes, and the vitamin K menadione. NQO2 predominantly uses dihyronicotinamide riboside (NRH) as the electron donor (summary by Wu et al., 1997 [PubMed 9367528]). [supplied by OMIM]



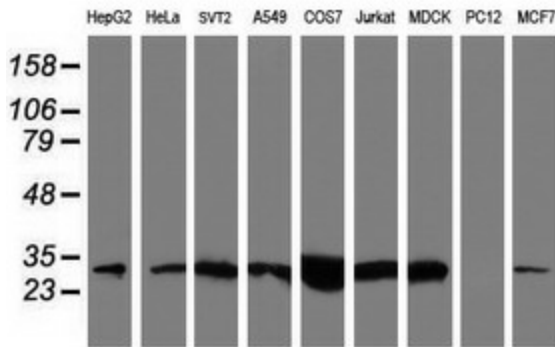
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Synonyms: DHQV; DIA6; NMOR2; QR2

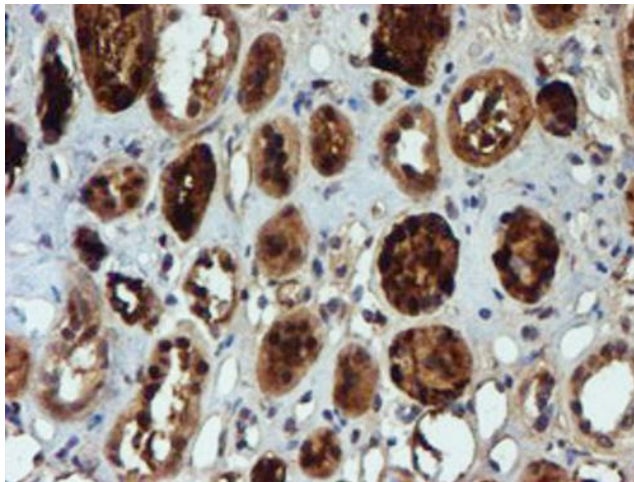
**Product images:**



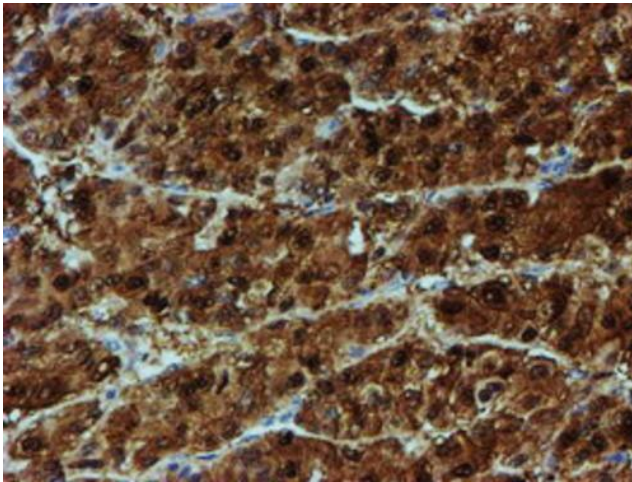
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY NQO2 (Cat# [RC202889], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NQO2(Cat# [TA504781]). Positive lysates [LY424463] (100ug) and [LC424463] (20ug) can be purchased separately from OriGene.



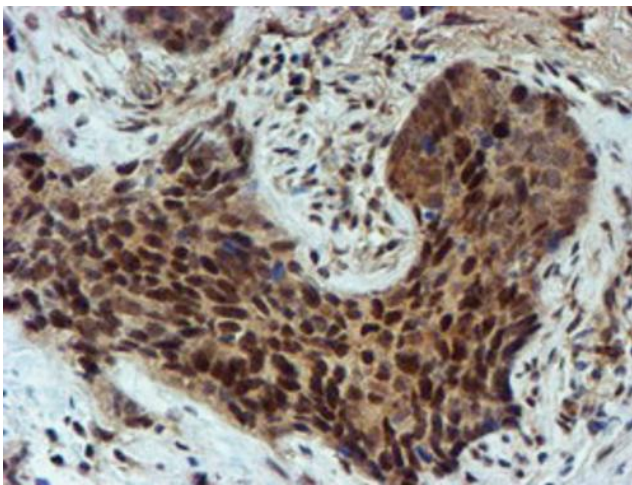
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-NQO2 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



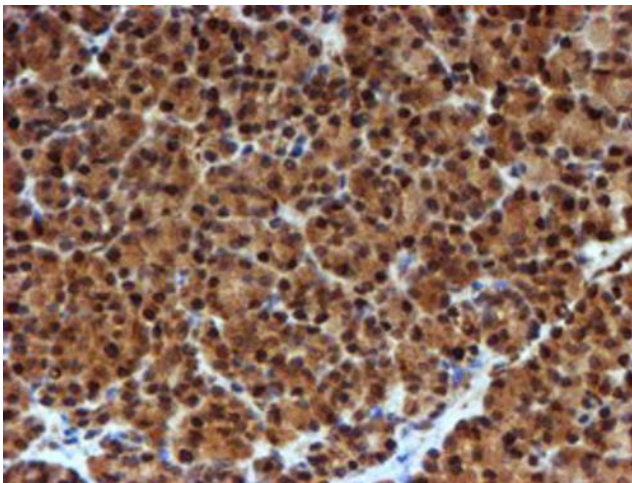
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-NQO2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504781])



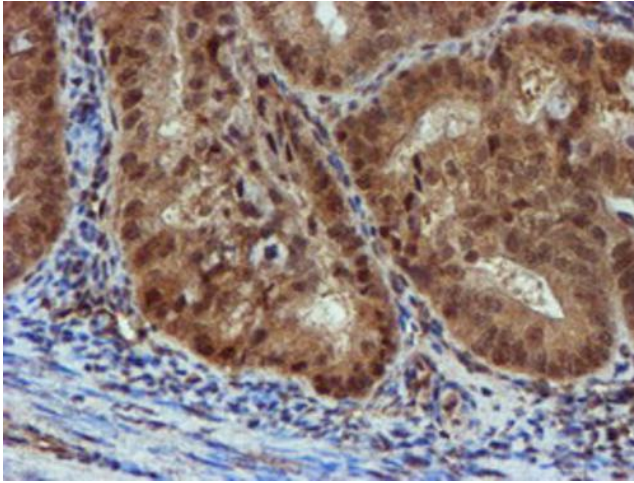
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-NQO2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504781])



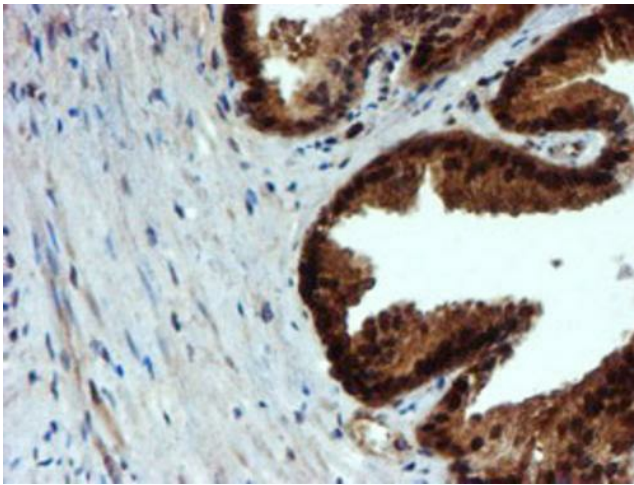
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-NQO2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504781])



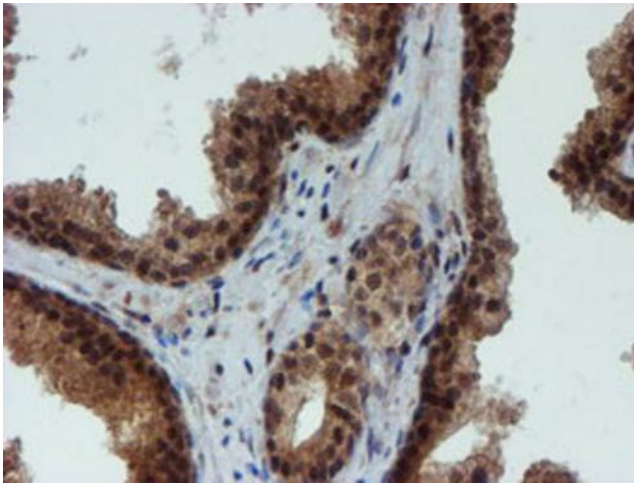
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-NQO2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504781])



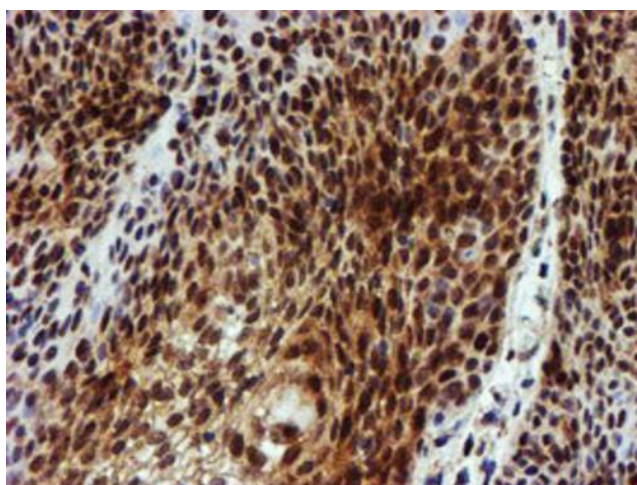
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-NQO2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504781])



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-NQO2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504781])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-NQO2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504781])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-NQO2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504781])