

# Product Datasheet

## UQCRC1 Antibody (OT11G6)

### NBP2-03825

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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



[technical@novusbio.com](mailto:technical@novusbio.com)

#### Publications: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-03825](http://www.novusbio.com/NBP2-03825)

Updated 10/23/2024 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-03825](http://www.novusbio.com/reviews/destination/NBP2-03825)



**NBP2-03825**

## UQCRC1 Antibody (OTI1G6)

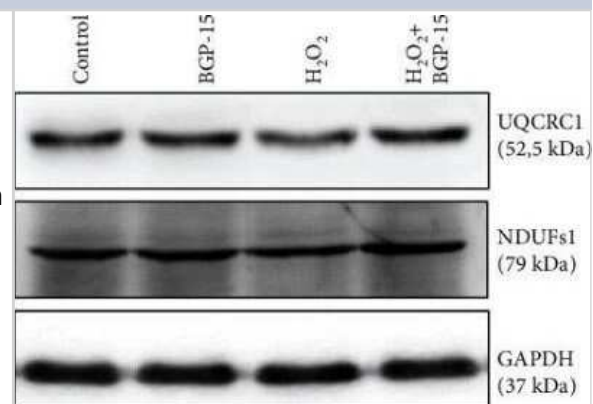
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI1G6
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	52.5 kDa

Product Description	
Host	Mouse
Gene ID	7384
Gene Symbol	UQCRC1
Species	Human, Mouse, Rat, Canine, Primate, Monkey
Reactivity Notes	Use in Rat reported in scientific literature (PMID:33728024). Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Human recombinant protein fragment corresponding to amino acids 46-305 of human UQCRC1 (NP_003356) produced in E.coli.

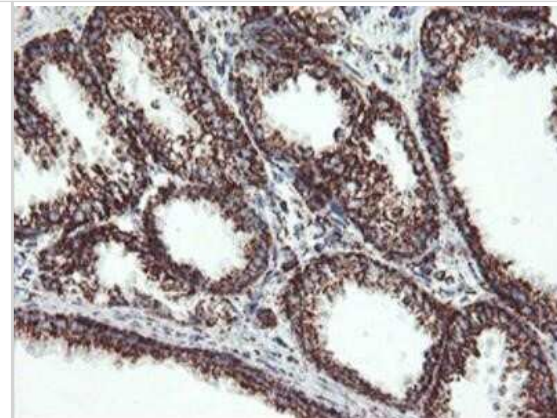
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1000, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunohistochemistry-Paraffin 1:150

**Images**

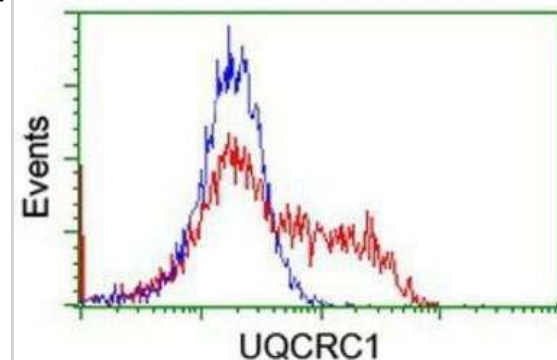
Western Blot: UQCRC1 Antibody (OTI1G6) [NBP2-03825] - Effect of BGP-15 treatment on the electron transport chain complex I and III proteins in NRCMs. Western blot analysis of UQCRC1 (NBP2-03825) and Ndufs1 (NBP1-31142) proteins is shown. GAPDH was used as a loading control. Control group: cells without any treatment; BGP-15 group: cells with only 50uM BGP-15 for 0.5 hours; H2O2 group: cells with 150uM H2O2 for 0.5 hours; H2O2+BGP-15 group: cells with 150uM H2O2 and 50uM BGP-15 for 0.5 hours. Image collected and cropped by CiteAb from the following publication ([//pubmed.ncbi.nlm.nih.gov/33728024/](https://pubmed.ncbi.nlm.nih.gov/33728024/)) licensed under a CC-BY license.



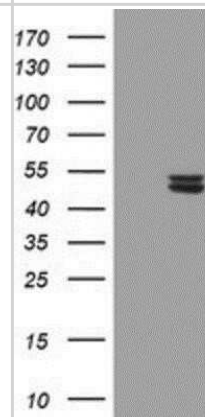
Immunohistochemistry-Paraffin: UQCRC1 Antibody (OTI1G6) [NBP2-03825] - Staining of paraffin-embedded Human prostate tissue using anti-UQCRC1 mouse monoclonal antibody.



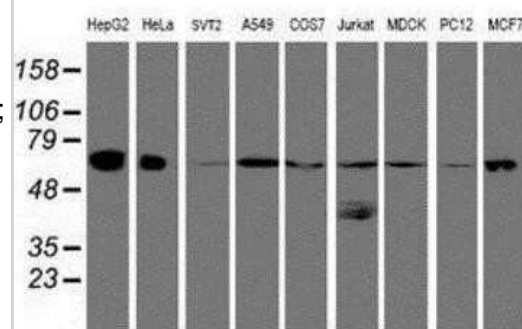
Flow Cytometry: UQCRC1 Antibody (OTI1G6) [NBP2-03825] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-UQCRC1 antibody, and then analyzed by flow cytometry.



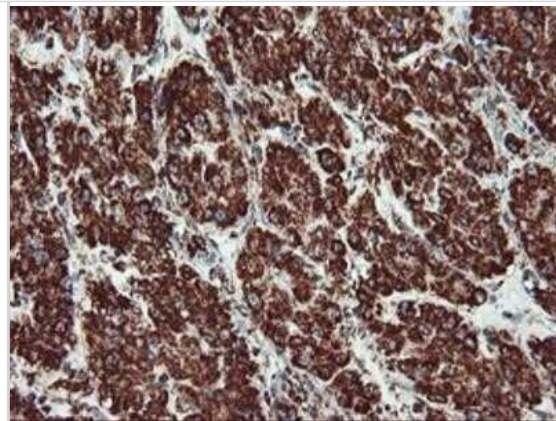
Western Blot: UQCRC1 Antibody (OTI1G6) [NBP2-03825] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY UQCRC1 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-UQCRC1.



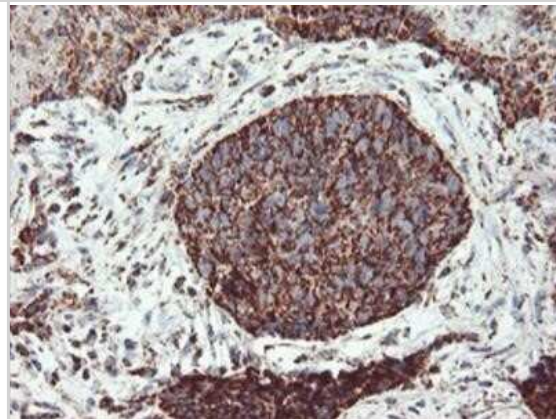
Western Blot: UQCRC1 Antibody (OTI1G6) [NBP2-03825] - Analysis of extracts (35ug) from 9 different cell lines by using anti-UQCRC1 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



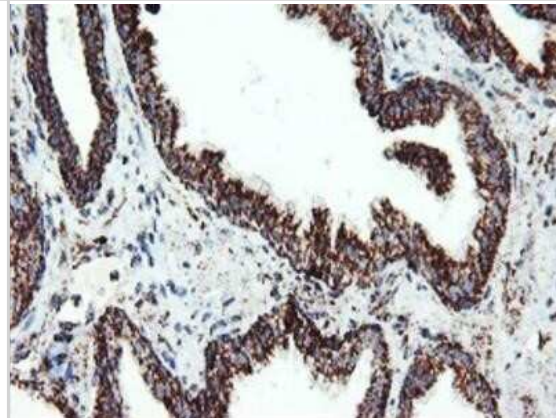
Immunohistochemistry-Paraffin: UQCRC1 Antibody (OTI1G6) [NBP2-03825] - Staining of paraffin-embedded Carcinoma of Human liver tissue using anti-UQCRC1 mouse monoclonal antibody.



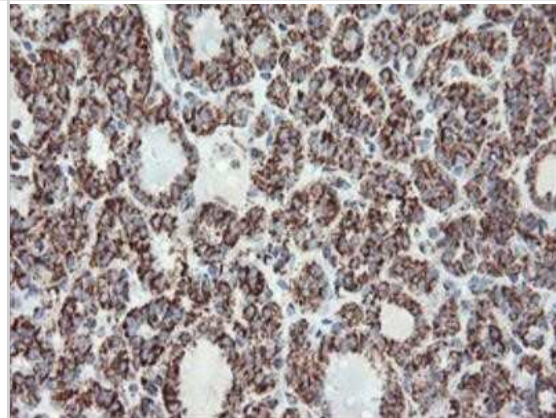
Immunohistochemistry-Paraffin: UQCRC1 Antibody (OTI1G6) [NBP2-03825] - Staining of paraffin-embedded Carcinoma of Human lung tissue using anti-UQCRC1 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: UQCRC1 Antibody (OTI1G6) [NBP2-03825] - Staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-UQCRC1 mouse monoclonal antibody.

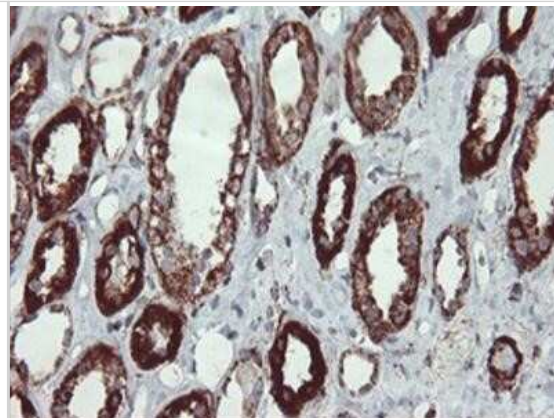


Immunohistochemistry-Paraffin: UQCRC1 Antibody (OTI1G6) [NBP2-03825] - Staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-UQCRC1 mouse monoclonal antibody.

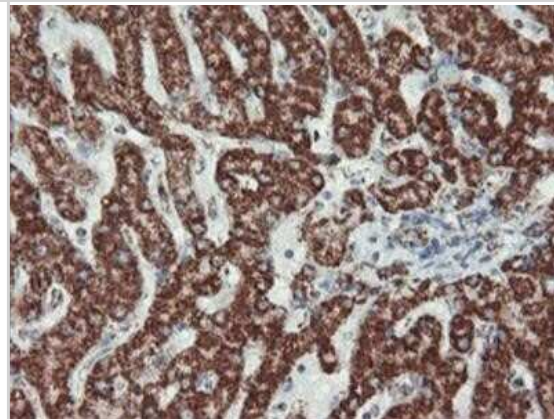




Immunohistochemistry-Paraffin: UQCRC1 Antibody (OTI1G6) [NBP2-03825] - Staining of paraffin-embedded Human Kidney tissue using anti-UQCRC1 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: UQCRC1 Antibody (OTI1G6) [NBP2-03825] - Staining of paraffin-embedded Human liver tissue using anti-UQCRC1 mouse monoclonal antibody.



## Publications

Ordog K, Horvath O, Eros K, et al. Mitochondrial protective effects of PARP-inhibition in hypertension-induced myocardial remodeling and in stressed cardiomyocytes *Life sciences* 2021-01-06 [PMID: 33421523]

Horvath O, Ordog K, Bruszt K et al. Modulation of Mitochondrial Quality Control Processes by BGP-15 in Oxidative Stress Scenarios: From Cell Culture to Heart Failure *Oxidative medicine and cellular longevity* 2021-02-27 [PMID: 33728024] (WB, Rat)

Magnoni R, Palmfeldt J, Christensen JH et al. Late onset motoneuron disorder caused by mitochondrial Hsp60 chaperone deficiency in mice. *Neurobiol Dis* 2013-03-02 [PMID: 23466696] (WB, Mouse)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-03825**

---

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-51608-0.1mg	Recombinant Human UQCRC1 His Protein

---

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-03825](http://www.novusbio.com/reviews/submit/NBP2-03825)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

