

# Product Datasheet

## MT-ND1 Antibody H00004535-A01

Unit Size: 0.05 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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

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**H00004535-A01**

MT-ND1 Antibody

Product Information	
<b>Unit Size</b>	0.05 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Purity</b>	Unpurified
<b>Buffer</b>	Unpurified antisera so the specific antibody concentration is unknown. Contains 50% glycerol.

Product Description	
<b>Host</b>	Mouse
<b>Gene ID</b>	4535
<b>Gene Symbol</b>	ND1
<b>Species</b>	Human
<b>Reactivity Notes</b>	Human. Other species not tested.
<b>Specificity/Sensitivity</b>	ND1 - NADH dehydrogenase subunit 1
<b>Immunogen</b>	ND1 (-, 21 a.a. ~ 72 a.a) partial recombinant protein with GST tag.MLTERKILGYIQLRKGPNVVGPYGLLQPFADAIKLFTKEPLKPATSTITLY
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
<b>Applications</b>	Western Blot, ELISA
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA
<b>Application Notes</b>	Antibody reactive against cell lysate and recombinant protein for western blot. It has also been used for ELISA.

**Publications**

Karamanlidis G, Nascimben L, Couper GS et al. Defective DNA Replication Impairs Mitochondrial Biogenesis In Human Failing Hearts. *Circ Res* 2010-03-25 [PMID: 20339121]

Chuang YL, Hsu CY., et al. Changes in mitochondrial energy utilization in young and old worker honeybees (*Apis mellifera*). *Age (Dordr)* 2012-11-20 [PMID: 23179252]

Rafiq J, Duno M, Ostergaard E et al. Exercise Intolerance and Myoglobinuria Associated with a Novel Maternally Inherited MT-ND1 Mutation. *JIMD Rep* 2015-06-25 [PMID: 26108648]

Martinez-Zamora A, Meseguer S, Esteve JM et al. Defective Expression of the Mitochondrial-tRNA Modifying Enzyme GTPBP3 Triggers AMPK-Mediated Adaptive Responses Involving Complex I Assembly Factors, Uncoupling Protein 2, and the Mitochondrial Pyruvate Carrier. *PLoS One* 2015-01-01 [PMID: 26642043] (WB)





### **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  
novus@novusbio.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: technical@novusbio.com  
Orders: orders@novusbio.com  
General: novus@novusbio.com

### **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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