

# Product Datasheet

## MT-ND1 Antibody - Azide and BSA Free NBP2-94462-0.1ml

Unit Size: 0.1 ml

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

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### Publications: 1

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Updated 2/27/2025 v.20.1

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**NBP2-94462-0.1ml**

MT-ND1 Antibody - Azide and BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Thimerosal
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.3), 50% glycerol
<b>Target Molecular Weight</b>	36 kDa

**Product Description**

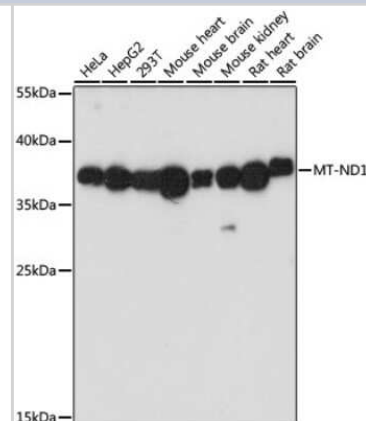
<b>Host</b>	Rabbit
<b>Gene ID</b>	4535
<b>Gene Symbol</b>	ND1
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human MT-ND1 (YP_003024026.1). MPMANLLLLIVPILIAMAFLLMLTERKILGYMQLRKGPNNVGPYGLLQPFADAMKL FTKEPLKPATSTITLYITAPTLALTIALLLWTPLPMPNPLVNLNL

**Product Application Details**

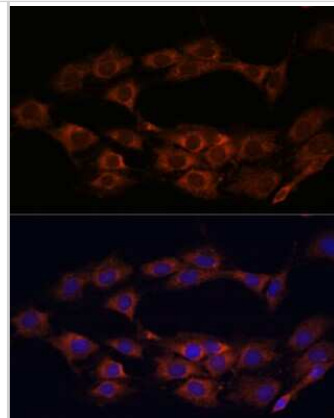
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500-1:2000, ELISA, Immunohistochemistry 1:50-1:200, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin

**Images**

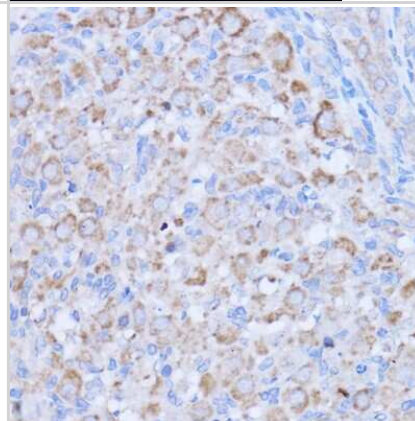
Western Blot: MT-ND1 Antibody [NBP2-94462] - Analysis of extracts of various cell lines, using MT-ND1 at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit .Exposure time: 90s.



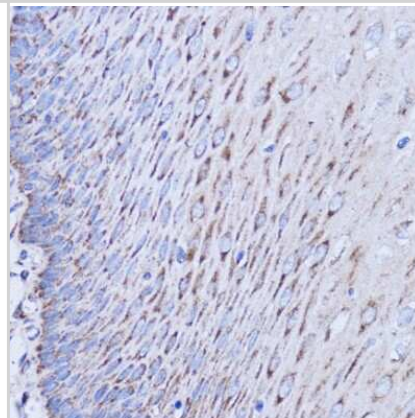
Immunocytochemistry/Immunofluorescence: MT-ND1 Antibody [NBP2-94462] - Analysis of C6 cells using MT-ND1 . Blue: DAPI for nuclear staining.



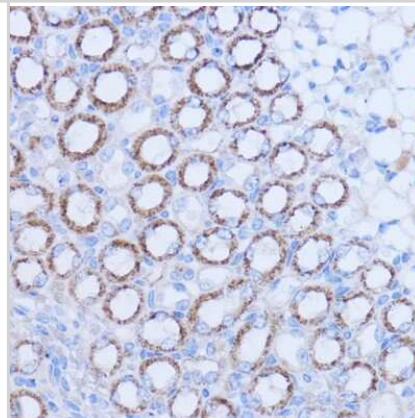
Immunohistochemistry-Paraffin: MT-ND1 Antibody [NBP2-94462] - Rat ovary using MT-ND1 antibody at dilution of 1:100 (40x lens).



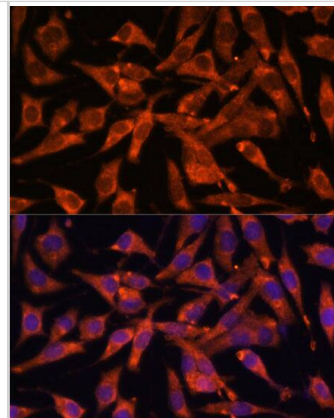
Immunohistochemistry-Paraffin: MT-ND1 Antibody [NBP2-94462] - Human esophageal using MT-ND1 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry-Paraffin: MT-ND1 Antibody [NBP2-94462] - Mouse kidney using MT-ND1 antibody at dilution of 1:100 (40x lens).



Immunocytochemistry/ Immunofluorescence: MT-ND1 Antibody - Azide and BSA Free [MT-ND1] - Immunofluorescence analysis of L929 cells using MT-ND1 Rabbit pAb at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



## Publications

Gu X, Li K, Zhang M et al. Aspartyl-tRNA synthetase 2 orchestrates iron-sulfur metabolism in hematopoietic stem cells via fine-tuning alternative RNA splicing Cell reports 2023-10-31 [PMID: 37838946] (ICC/IF, Mouse)



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### **Products Related to NBP2-94462-0.1ml**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP3-17519PEP	MT-ND1 Recombinant Protein Antigen

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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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