

# Product Datasheet

## MT-ND3 Antibody - Azide and BSA Free NBP2-93832-0.1ml

Unit Size: 0.1 ml

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

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### Publications: 1

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**NBP2-93832-0.1ml**

MT-ND3 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>	0.05% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.3), 50% glycerol
<b>Target Molecular Weight</b>	13 kDa

**Product Description**

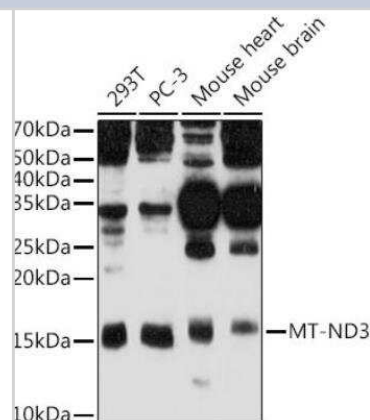
<b>Description</b>	Novus Biologicals Knockout (KO) Validated Rabbit MT-ND3 Antibody - Azide and BSA Free (NBP2-93832) is a polyclonal antibody validated for use in IHC, WB, ELISA, ICC/IF and IP. Anti-MT-ND3 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	4537
<b>Gene Symbol</b>	ND3
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	A synthetic peptide corresponding to a sequence within amino acids 1-70 of human MT-ND3 (YP_003024033.1). MNFALILMINTLLALLLMIITFWLPQLNGYMEKSTPYECGFDPMSPARVPFMSMKF FLVAITFLLFDLEIA

**Product Application Details**

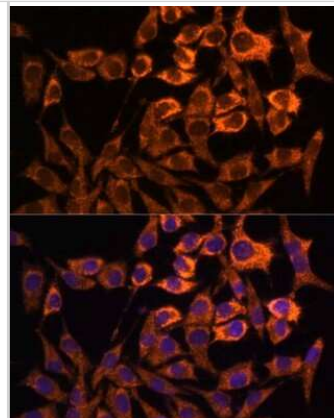
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:100 - 1:500, ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements., Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/Immunofluorescence 1:50 - 1:200, Immunoprecipitation 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells, Immunohistochemistry-Paraffin

**Images**

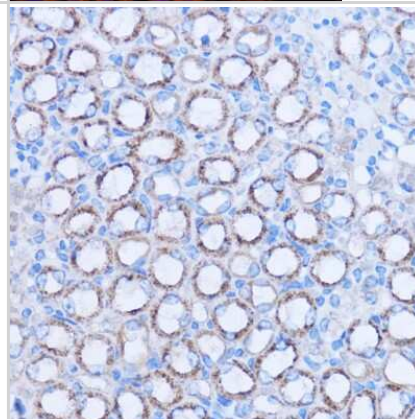
Western Blot: MT-ND3 Antibody [NBP2-93832] - Analysis of extracts of various cell lines, using MT-ND3 antibody at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.



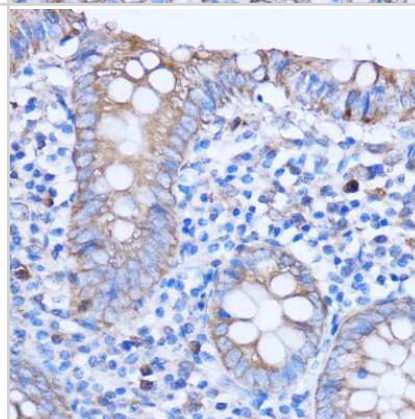
Immunocytochemistry/Immunofluorescence: MT-ND3 Antibody [NBP2-93832] - Analysis of L929 cells using MT-ND3 at dilution of 1:100. Blue: DAPI for nuclear staining.



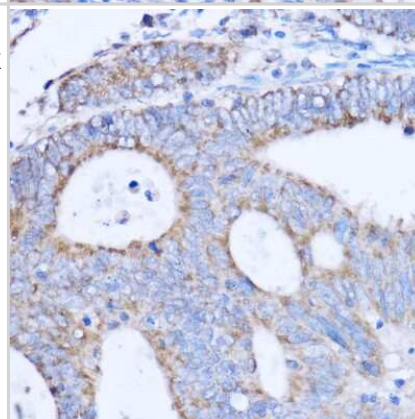
Immunohistochemistry-Paraffin: MT-ND3 Antibody [NBP2-93832] - Mouse kidney using MT-ND3 antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



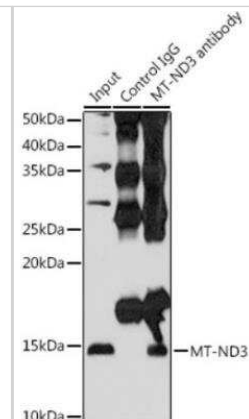
Immunohistochemistry-Paraffin: MT-ND3 Antibody [NBP2-93832] - Human appendix using MT-ND3 antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



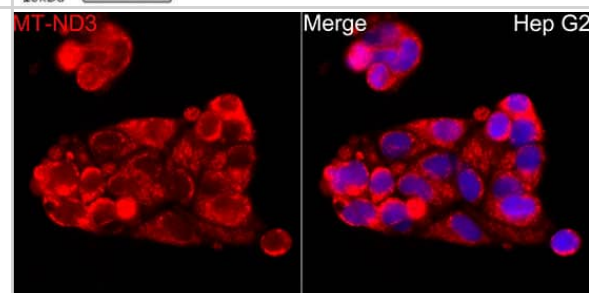
Immunohistochemistry-Paraffin: MT-ND3 Antibody [NBP2-93832] - Human colon carcinoma using MT-ND3 antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



**Immunoprecipitation: MT-ND3 Antibody [NBP2-93832] - Analysis of 200ug extracts of HeLa cells using 3ug MT-ND3 antibody. Western blot was performed from the immunoprecipitate using MT-ND3 antibody at a dilution of 1:500.**



**Immunocytochemistry/ Immunofluorescence: MT-ND3 Antibody - Azide and BSA Free [MT-ND3] - Immunofluorescence analysis of HepG2 cells using MT-ND3 Rabbit pAb at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.**



## Publications

Tan L, Qi X, Kong W et al. A conditional knockout rat resource of mitochondrial protein-coding genes via a DdCBE-induced premature stop codon Science advances 2023-04-14 [PMID: 37058569] (WB, KO, Rat)



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### **Products Related to NBP2-93832-0.1ml**

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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
NBP2-38021PEP	MT-ND3 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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