

Product Datasheet

MT-ND4 Antibody - BSA Free

NBP2-47365

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 6

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NBP2-47365

MT-ND4 Antibody - BSA Free

Product Information

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

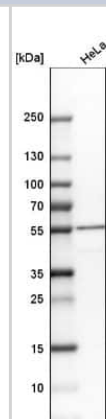
Host	Rabbit
Gene ID	4538
Gene Symbol	ND4
Species	Human
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: LANSNYERTHSRIILSQGLQT

Product Application Details

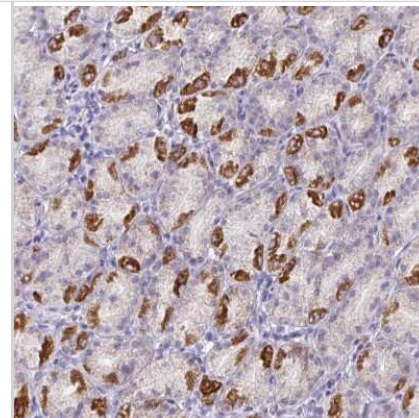
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:20 - 1:50, Immunohistochemistry-Paraffin 1:20 - 1:50
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

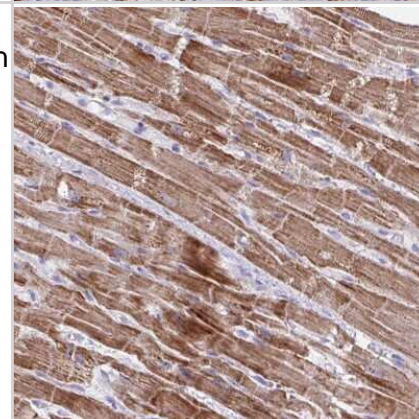
Western Blot: MT-ND4 Antibody [NBP2-47365] - Analysis in human cell line HeLa.



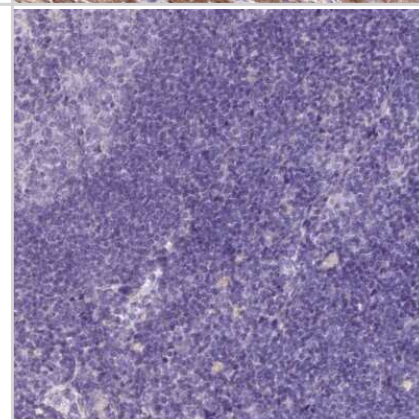
Immunohistochemistry-Paraffin: MT-ND4 Antibody [NBP2-47365] - Staining of human Stomach shows strong granular cytoplasmic positivity in enteroendocrine cells.



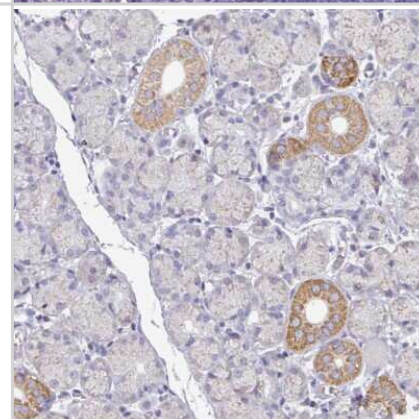
Immunohistochemistry-Paraffin: MT-ND4 Antibody [NBP2-47365] - Staining of human heart muscle shows moderate cytoplasmic positivity in myocytes.



Immunohistochemistry-Paraffin: MT-ND4 Antibody [NBP2-47365] - Staining of human Lymph node shows very weak granular cytoplasmic positivity in non-germinal center cells.



Immunohistochemistry-Paraffin: MT-ND4 Antibody [NBP2-47365] - Staining of human Salivary gland shows moderate granular cytoplasmic positivity in glandular cells.



Publications

Jia Z, Meng F, Chen H et al. Human TRUB1 is a highly conserved pseudouridine synthase responsible for the formation of psi 55 in mitochondrial tRNA^{Asn}, tRNA^{Gln}, tRNA^{Glu} and tRNA^{Pro} Nucleic acids research 2022-08-26 [PMID: 36018806] (WB, Human)

Igelmann S, Lessard F, Uchenunu O et al. A hydride transfer complex reprograms NAD metabolism and bypasses senescence Molecular cell 2021-09-16 [PMID: 34547241]

Ji Y, Nie Z, Meng F et al. Mechanistic insights into mitochondrial tRNA^{Ala} 3'-end metabolism deficiency The Journal of biological chemistry 2021-05-20 [PMID: 34023389] (WB, Human)

Meng F, Zhou M, Xiao Y, et al. A deafness-associated tRNA mutation caused pleiotropic effects on the m1G37 modification, processing, stability and aminoacylation of tRNA^{Ile} and mitochondrial translation Nucleic acids research 2021-01-25 [PMID: 33398350] (WB, Human)

Fan W, Zheng J, Kong W et al. Contribution of a mitochondrial tyrosyl-tRNA synthetase mutation to the phenotypic expression of the deafness-associated tRNA^{Ser}(UCN) 7511AG mutation J. Biol. Chem. 2019-11-04 [PMID: 31685661] (WB, Human)

Zhao X, Cui L, Xiao Y et al. Hypertension-associated mitochondrial DNA 4401A>G mutation caused the aberrant processing of tRNA^{Met}, all 8 tRNAs and ND6 mRNA in the light-strand transcript Nucleic Acids Research 2019-08-28 [PMID: 31504769] (WB, Human)





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Products Related to NBP2-47365

NBP2-47365PEP	MT-ND4 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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