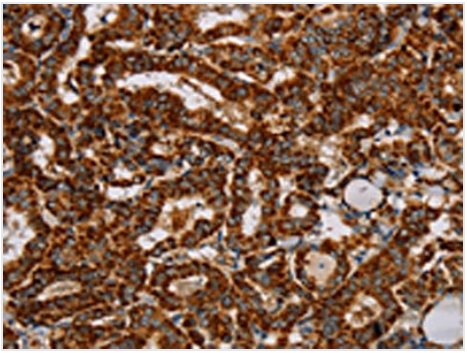
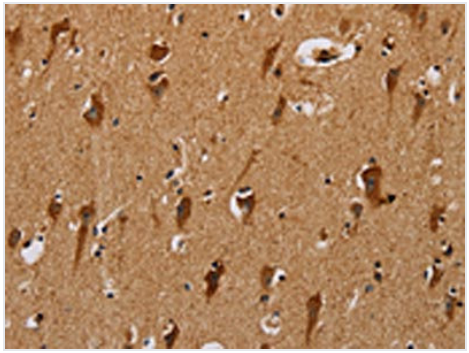
NDUFS3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

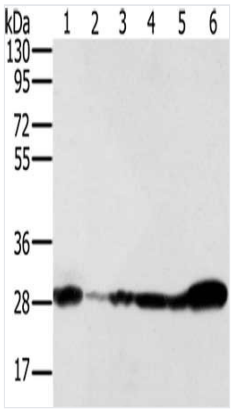
Product Name	NDUFS3, Polyclonal Antibody
Full Product Name	NDUFS3 Antibody
Product Gene Name	anti-NDUFS3 antibody
Product Synonym Names	NADH dehydrogenase (ubiquinone) Fe-S protein 3; 30kDa (NADH-coenzyme Q reductase)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	30,242 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (47600562..47606115). Location: 11p11.11
OMIM	603846
3D Structure	ModBase 3D Structure for O75489
Immunogen	Fusion protein of human NDUFS3
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-NDUFS3 antibody	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NDUFS3 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-NDUFS3 antibody	ELISA: 1:2000-1:5000 WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-NDUFS3 antibody	MBS7126034 is an antibody targeting NDUFS3. Also known as NDUFS3 Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-NDUFS3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC)-Paraffin of anti-NDUFS3 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using MBS7126034(NDUFS3 Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry (IHC)-Paraffin of anti-NDUFS3 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using MBS7126034(NDUFS3 Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification: ×200)



SDS-Page of anti-NDUFS3 antibody
Gel: 8%SDS-PAGE, Lysate: 40 ug, Lane 1-6: 293T cells, NIH/3T3 cells, Raw264.7 cells, hela cells, human fetal brain tissue, mouse brain tissue, Primary antibody: MBS7126034(NDUFS3 Antibody) at dilution 1/350, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 5 seconds

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NDUFS3. It may not necessarily be applicable to this product.

NCBI GI #	4758788
NCBI GeneID	4722
NCBI Accession #	NP_004542.1
UniProt Primary Accession #	O75489
UniProt Secondary Accession #	Q9UNQ8; B2R9J1
UniProt Related Accession #	O75489
GenBank Nucleotide #	NM_004551.2
NCBI Official Full Name	NADH dehydrogenase
NCBI Official Synonym Full Names	NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase)
NCBI Official Symbol	NDUFS3
NCBI Official Synonym Symbols	CI-30
UniProt Protein Name	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial
UniProt Synonym Protein Names	Complex I-30kD; CI-30kD; NADH-ubiquinone oxidoreductase 30 kDa subunit
UniProt Gene Name	NDUFS3

UniProt Synonym Gene Names	CI-30kD
UniProt Entry Name	NDUS3_HUMAN
NCBI Protein Information	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial; NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial; CI-30kD; complex I-30kD; complex I 30kDa subunit; NADH dehydrogenase-ubiquinone 30 kDa subunit; NADH-ubiquinone oxi
NCBI Summary for NDUFS3	This gene encodes one of the iron-sulfur protein (IP) components of mitochondrial NADH:ubiquinone oxidoreductase (complex I). Mutations in this gene are associated with Leigh syndrome resulting from mitochondrial complex I deficiency.[provided by RefSeq, Apr 2009]
UniProt Comments for NDUFS3	NDUFS3: Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. Belongs to the complex I 30 kDa subunit family. Protein type: Oxidoreductase; EC 1.6.99.3; EC 1.6.5.3; Mitochondrial; Energy Metabolism - oxidative phosphorylation Chromosomal Location of Human Ortholog: 11p11.11 Cellular Component: mitochondrion; mitochondrial inner membrane; mitochondrial membrane; nucleus; mitochondrial respiratory chain complex I Molecular Function: protein binding; NADH dehydrogenase (ubiquinone) activity; electron carrier activity; NADH dehydrogenase activity Biological Process: cellular metabolic process; substantia nigra development; mitochondrial electron transport, NADH to ubiquinone; negative regulation of cell growth Disease: Leigh Syndrome; Mitochondrial Complex I Deficiency
Research Articles on NDUFS3	**1.** a novel, biomarker potential of a mitochondrial complex I subunit protein, NDUFS3 - as a robust indicator of breast cancer progression and invasiveness as well as of hypoxia/necrosis in clinical specimens of invasive ductal carcinoma, was uncovered.
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