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Immunotag™ NDUFS3 Polyclonal Antibody

Antibody Specification

Catalog No.	ITT3018
Product Description	Immunotag™ NDUFS3 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	NDUFS3
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human NDUFS3. AA range:117-166
Specificity	NDUFS3 Polyclonal Antibody detects endogenous levels of NDUFS3 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	NDUFS3
Accession No.	O75489 Q9DCT2
Alternate Names	NDUFS3; NADH dehydrogenase [ubiquinone] iron-sulfur protein 3; mitochondrial; Complex I-30kD; CI-30kD; NADH-ubiquinone oxidoreductase 30 kDa subunit

Antibody Specification

Description	NADH:ubiquinone oxidoreductase core subunit S3(NDUFS3) Homo sapiens 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],
Cell Pathway/ Category	Oxidative phosphorylation,Alzheimer's disease,Parkinson's disease,Huntington's disease,
Protein Expression	Brain,Cajal-Retzius cell,Pituitary,Skin,Stomach mucosa,Uter
Subcellular Localization	nucleus,mitochondrion,mitochondrial respiratory chain complex I,mitochondrial matrix,mitochondrial membrane,myelin sheath,
Protein Function	catalytic activity:NADH + acceptor = NAD(+) + reduced acceptor.,catalytic activity:NADH + ubiquinone = NAD(+) + ubiquinol.,function: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.,similarity:Belongs to the complex I 30 kDa subunit family.,subunit:Mammalian complex I is composed of 45 different subunits.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.