Best Tools for immunology Research

NDUFS3 Polyclonal Antibody

Catalog No :	YT3018
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	NDUFS3
Fields :	>>Oxidative phosphorylation;>>Metabolic pathways;>>Thermogenesis;>>Retrograde endocannabinoid signaling;>>Non-alcoholic fatty liver disease;>>Alzheimer disease;>>Parkinson disease;>>Amyotrophic lateral sclerosis;>>Huntington disease;>>Prion disease;>>Pathways of neurodegeneration - multiple diseases;>>Chemical carcinogenesis - reactive oxygen species;>>Diabetic cardiomyopathy
Gene Name :	NDUFS3
Protein Name :	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3 mitochondrial
Human Gene Id :	4722
Human Swiss Prot No :	O75489
Mouse Gene Id :	68349
Mouse Swiss Prot No :	Q9DCT2
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.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	40kD
Cell Pathway :	Oxidative phosphorylation;Alzheimer's disease;Parkinson's disease;Huntington's disease;
Background :	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],
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.,
Subcellular Location :	Mitochondrion inner membrane ; Peripheral membrane protein ; Matrix side .
Expression :	Brain,Cajal-Retzius cell,Pituitary,Skin,Stomach mucosa,Uter

Products Images