



NDUFS3 Monoclonal Antibody

Catalog No	YP-mAb-02708
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	NDUFS3
Immunogen	The antiserum was produced against synthesized peptide derived from human NDUFS3. AA range:117-166
Specificity	NDUFS3 Monoclonal Antibody detects endogenous levels of NDUFS3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CI 30kD;CI30kD;CI-30kD;Complex I-30kD;EC:7.1.1.2;NDUFS3;NADH dehydrogenase [ubiquinone] iron-sulfur protein 3 mitochondrial;NADH dehydrogenase [ubiquinone] iron-sulfur protein 3;mitochondrial;NADH-ubiquinone oxidoreductase 30 kDa subunit
Observed Band	40kD
Calculated Molecular Weight	40kD
Cell Pathway	Mitochondrion inner membrane ; Peripheral membrane protein ; Matrix side .
Tissue Specificity	Brain,Cajal-Retzius cell,Pituitary,Skin,Stomach mucosa,Uter
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.,



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],

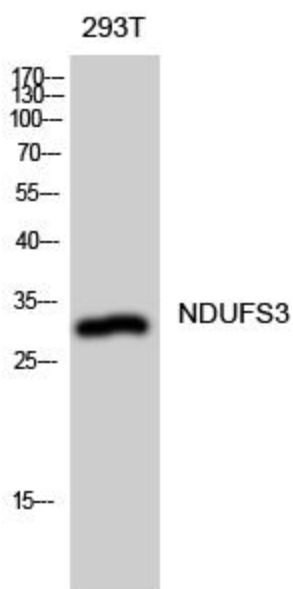
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using NDUFS3 Monoclonal Antibody