

## **NDUFC1 Polyclonal Antibody**

Catalog No: YT3015

**Reactivity:** Human; Mouse

**Applications:** IHC;IF;ELISA

Target: NDUFC1

**Fields:** >>Oxidative phosphorylation;>>Metabolic

O43677

Q9CQY9

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: NDUFC1

Protein Name: NADH dehydrogenase [ubiquinone] 1 subunit C1 mitochondrial

Human Gene Id: 4717

**Human Swiss Prot** 

No:

Mouse Gene ld: 66377

**Mouse Swiss Prot** 

No:

Immunogen: Synthesized peptide derived from NDUFC1 . at AA range: 40-120

**Specificity:** NDUFC1 Polyclonal Antibody detects endogenous levels of NDUFC1 protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution :** IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

1/2



chromatography using epitope-specific immunogen.

**Concentration:** 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight: 9kD

**Cell Pathway:** Oxidative phosphorylation; Alzheimer's disease; Parkinson's disease; Huntington's

disease;

**Background :** The encoded protein is a subunit of the NADH:ubiquinone oxidoreductase

(complex I), the first enzyme complex in the electron transport chain located in the inner mitochondrial membrane. Alternative splicing results in multiple transcript

variants. [provided by RefSeq, May 2010],

**Function:** function:Accessory subunit of the mitochondrial membrane respiratory chain

NADH dehydrogenase (Complex I), that is believed to be not involved in 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 NDUFC1 subunit family., subunit: Complex I is composed of 45 different subunits.,

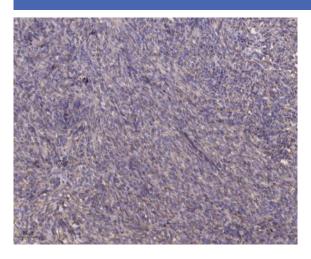
Subcellular Location:

Mitochondrion inner membrane; Single-pass membrane protein; Matrix side.

**Expression:** 

Brain, Heart, Skin, Umbilical cord blood,

## **Products Images**



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).