



NDUFS5 Polyclonal Antibody

Catalog No	YP-Ab-02709
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	NDUFS5
Immunogen	The antiserum was produced against synthesized peptide derived from human NDUFS5. AA range:57-106
Specificity	NDUFS5 Polyclonal Antibody detects endogenous levels of NDUFS5 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CI 15 kDa;Complex I 15 kDa;NDUFS5;NADH dehydrogenase [ubiquinone] iron-sulfur protein 5;Complex I-15 kDa;CI-15 kDa;NADH-ubiquinone oxidoreductase 15 kDa subunit
Observed Band	15kD
Calculated Molecular Weight	15kD
Cell Pathway	Mitochondrion inner membrane ; Peripheral membrane protein . Mitochondrion intermembrane space .
Tissue Specificity	Blood vessels- blood vessel,Kidney,Umbilical cord blood,
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 NDUFS5 subunit family., subunit:Mammalian complex I is composed of 45 different subunits. This is a component of the iron-sulfur (IP) fragment of the enzyme.,



Background

This gene is a member of the NADH dehydrogenase (ubiquinone) iron-sulfur protein family. 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 and pseudogenes have been identified on chromosomes 1, 4 and 17. [provided by RefSeq, May 2010],

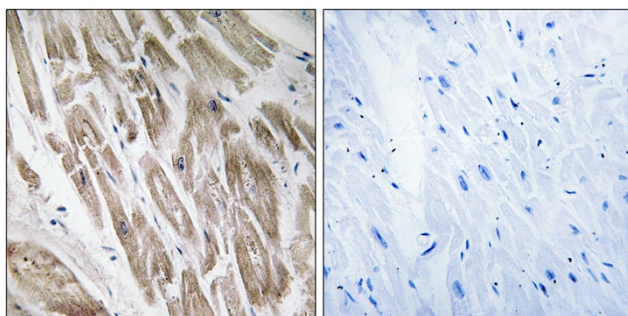
matters needing attention

Avoid repeated freezing and thawing!

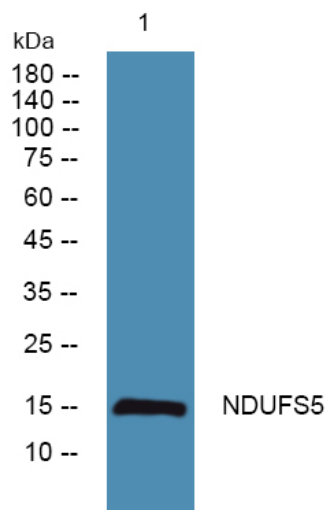
Usage suggestions

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

Products Images



Immunohistochemistry analysis of paraffin-embedded human heart, using NDUF5 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from SH-SY5Y cells, primary antibody was diluted at 1:1000, 4° over night