



# NDUFS5 Polyclonal Antibody

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

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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],

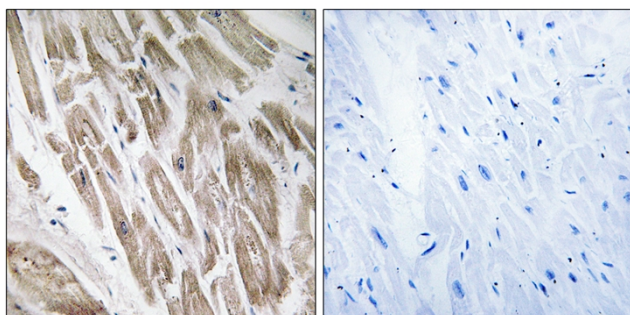
**matters needing attention**

Avoid repeated freezing and thawing!

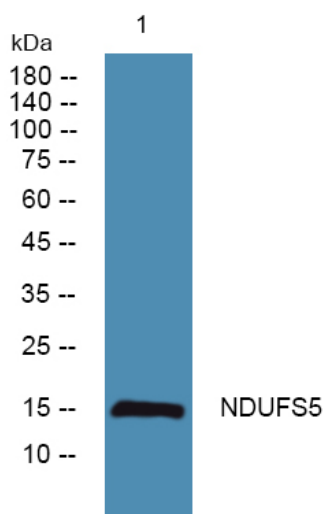
**Usage suggestions**

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