



NDUFS5 Polyclonal Antibody

Catalog No	E91265	Lot Number	P00009
Applications	WB IHC	Quantity	100ul, 100ug/100ul
Cross-Reactivity	H M R	Calculated MW	13kDa

Immunogen Information

Immunogen	Recombinant protein of human NDUFS5
Gene ID	4725
Swiss Prot	O43920
Synonyms	CI 15 kDa; Complex I 15 kDa; NDUFS5;

Product information

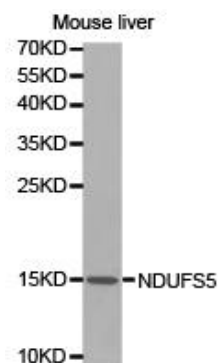
Species	Rabbit
Isotype	IgG
Purity	Affinity purification
Storage	Store at -20°C or -80°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

NDUFS5 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. The NDUFS5 mRNA is expressed ubiquitously in human tissues, with a relative higher expression in human heart, skeletal muscle, liver, kidney and fetal heart (PMID: 10070614). The NDUFS5 (15 kDa) subunit located at mitochondrion and contains two C-X9-C motifs that are predicted to form a helix-coil-helix structure, permitting the formation of intramolecular disulfide bonds (PMID: 21310150). Proteintech's NDUFS5 antibody 15224-1-AP is capable of detecting the 15 kDa protein in Western blotting.

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50- 1:200



Western blot analysis of extracts of mouse liver tissue lines, using NDUFS5 antibody.