

For Research Use Only

NDUFS5 Monoclonal antibody

Catalog Number: 66053-1-Ig



Basic Information

Catalog Number: 66053-1-Ig	GenBank Accession Number: BC001884	Purification Method: Protein A purification
Size: 150ul , Concentration: 2400 µg/ml by Nanodrop and 1053 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4725	CloneNo.: 2C2A5
Source: Mouse	Full Name: NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15kDa (NADH-coenzyme Q reductase)	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:20-1:200
Isotype: IgG2b	Calculated MW: 13 kDa	
Immunogen Catalog Number: AG7663	Observed MW: 15 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HepG2 cells, L02 cells, HEK-293 cells, fetal human brain tissue

IHC : human kidney tissue, human liver tissue

Background Information

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 66053-1-Ig is capable of detecting the 15 kDa protein in Western blotting.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

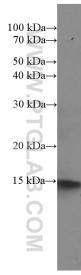
For technical support and original validation data for this product please contact:

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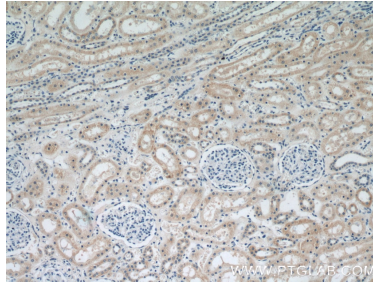
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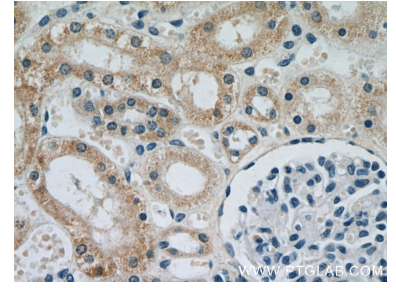
Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 66053-1-Ig (NDUFS5 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney using 66053-1-Ig(NDUFS5 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 66053-1-Ig(NDUFS5 antibody) at dilution of 1:50 (under 40x lens).