

For Research Use Only

CoraLite® Plus 488-conjugated NDUFS5 Monoclonal antibody



Catalog Number: **CL488-66053**

Basic Information

Catalog Number:

CL488-66053

Size:

100ul

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG7663

GenBank Accession Number:

BC001884

GeneID (NCBI):

4725

UNIPROT ID:

O43920

Full Name:

NADH dehydrogenase (ubiquinone)

Fe-S protein 5, 15kDa (NADH-coenzyme Q reductase)

Calculated MW:

13 kDa

Observed MW:

15 kDa

Purification Method:

Protein A purification

CloneNo.:

2C2A5

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

Species Specificity:

human

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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data