

For Research Use Only

CoraLite® Plus 488-conjugated NDUFS5 Monoclonal antibody



Catalog Number: CL488-66053

Basic Information

Catalog Number: CL488-66053	GenBank Accession Number: BC001884	Purification Method: Protein A purification
Size: N/A	GeneID (NCBI): 4725	CloneNo.: 2C2A5
Source: Mouse	UNIPROT ID: O43920	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG2b	Full Name: NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15kDa (NADH- coenzyme Q reductase)	
Immunogen Catalog Number: AG7663	Calculated MW: 13 kDa	
	Observed MW: 15 kDa	

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:

T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data