

For Research Use Only

NDUFB7 Monoclonal antibody, PBS Only



Catalog Number: 68362-1-PBS

Basic Information

Catalog Number:

68362-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG6720

GenBank Accession Number:

BC002595

GeneID (NCBI):

4713

UNIPROT ID:

P17568

Full Name:

NADH dehydrogenase (ubiquinone) 1
beta subcomplex, 7, 18kDa

Calculated MW:

16 kDa

Observed MW:

18 kDa

Purification Method:

Protein G purification

CloneNo.:

1H8C1

Applications

Tested Applications:

Indirect ELISA, IHC, WB

Species Specificity:

rabbit, pig, rat, mouse, human

Background Information

NDUFB7(NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 7) is also named as CI-B18 and belongs to the complex I NDUFB7 subunit family. It is an accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), which couples the oxidation of NADH to the reduction of ubiquinone and the translocation of protons across the inner membrane. NDUFB7 protein lacks a mitochondrial targeting signal and transmembrane domains. However, it has a Cx(9)C motif that includes an intermembrane space targeting signal. (PMID:21310150).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

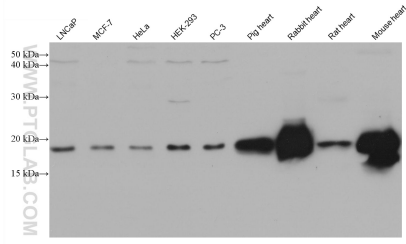
T: 4006900926

E: Proteintech-CN@ptglab.com

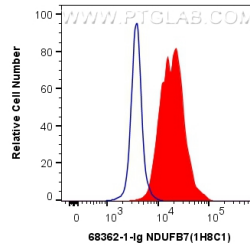
W: ptgcn.com

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

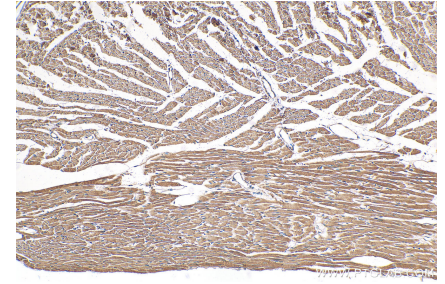
Selected Validation Data



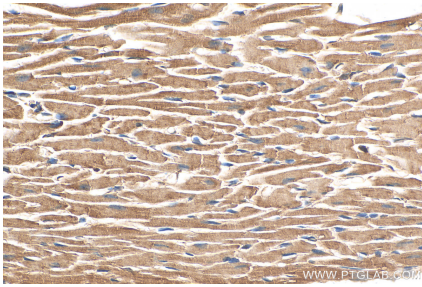
Various lysates were subjected to SDS PAGE followed by western blot with 68362-1-Ig (NDUFB7 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68362-1-PBS in a different storage buffer formulation.



1X10⁶ HEK-293 cells were intracellularly stained with 0.4 ug Anti-Human NDUFB7 (68362-1-Ig, Clone:1H8C1) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 68362-1-PBS in a



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 68362-1-Ig (NDUFB7 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68362-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 68362-1-Ig (NDUFB7 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68362-1-PBS in a different storage buffer formulation.