

For Research Use Only

NDUFB7 Monoclonal antibody

Catalog Number: 68362-1-Ig



Basic Information

Catalog Number: 68362-1-Ig	GenBank Accession Number: BC002595	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4713	CloneNo.: 1H8C1
Source: Mouse	Full Name: NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7, 18kDa	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:250-1:1000
Isotype: IgG1	Calculated MW: 16 kDa	
Immunogen Catalog Number: AG6720	Observed MW: 18 kDa	

Applications

Tested Applications:

FC, IHC, WB, ELISA

Species Specificity:

Human, Mouse, Rat, Rabbit, Pig

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 : LNCaP cells, MCF-7 cells, HeLa cells, HEK-293 cells, PC-3 cell, pig heart tissue, rabbit heart tissue, rat heart tissue, mouse heart tissue

IHC : mouse heart tissue,

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 -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

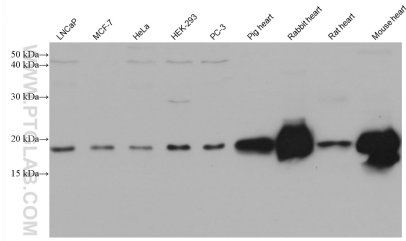
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

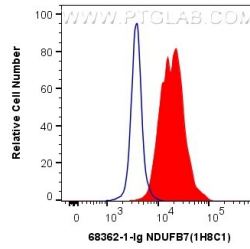
E: proteintech@ptglab.com
W: ptglab.com

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

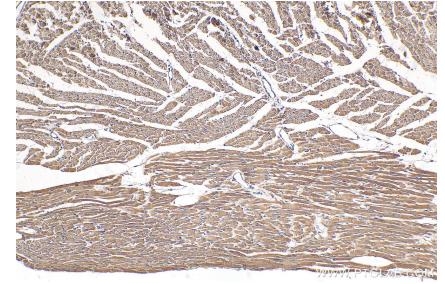
Selected Validation Data



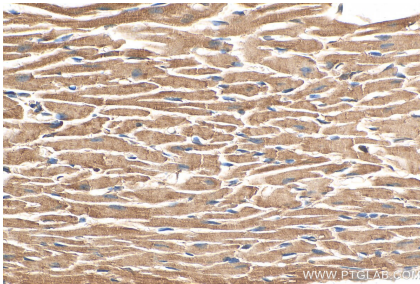
Various lysates were subjected to SDS PAGE followed by western blot with 68362-1-Ig (NDUFB7 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1×10^6 HEK-293 cells were intracellularly stained with 0.4 μ g 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 μ g 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).



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).



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).