

For Research Use Only

# NDUFB7 Monoclonal antibody, PBS Only



Catalog Number: 68362-1-PBS

## Basic Information

<b>Catalog Number:</b> 68362-1-PBS	<b>GenBank Accession Number:</b> BC002595	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4713	<b>CloneNo.:</b> 1H8C1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P17568	
<b>Isotype:</b> IgG1	<b>Full Name:</b> NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7, 18kDa	
<b>Immunogen Catalog Number:</b> AG6720	<b>Calculated MW:</b> 16 kDa	
	<b>Observed MW:</b> 18 kDa	

## 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

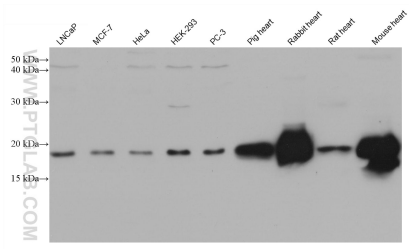
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

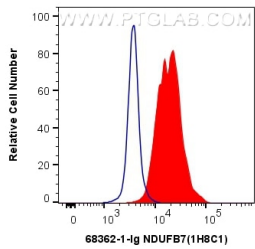
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

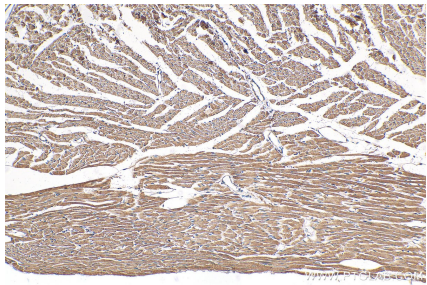
Selected Validation Data



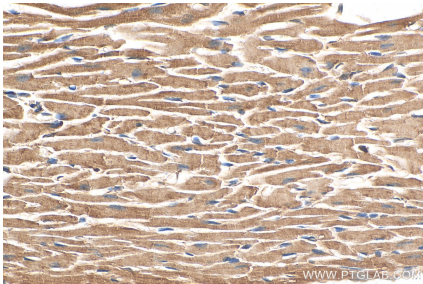
Various lysates were subjected to SDS PAGE followed by western blot with 68362-1-Ig (NDUFB7 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68362-1-PBS in a different storage buffer formulation.



1X10<sup>6</sup> 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.