

For Research Use Only

# NDUFS3 Monoclonal antibody, PBS Only



Catalog Number: 68066-1-PBS

## Basic Information

Catalog Number: 68066-1-PBS	GenBank Accession Number: BC000617	Purification Method: Protein G purification
Size: 1 mg/ml	GeneID (NCBI): 4722	CloneNo.: 1A1B3
Source: Mouse	UNIPROT ID: O75489	
Isotype: IgG1	Full Name: NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH- coenzyme Q reductase)	
Immunogen Catalog Number: AG7072	Calculated MW: 30 kDa	
	Observed MW: 30 kDa	

## Applications

Tested Applications:  
WB, Indirect ELISA, IHC

Species Specificity:  
Human, pig, rabbit, mouse, rat

## Background Information

NDUFS3 (NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial) is also named as CI-30kD and belongs to the complex I 30 kDa subunit family. It catalyzes the oxidation of NADH, with the concomitant reduction of ubiquinone and ejection of protons out of the mitochondria (PMID:10967146). NDUFS3 can be used as a mitochondrial matrix control (PMID:17344420). The full length has a transit peptide with 36 amino acids.

## Storage

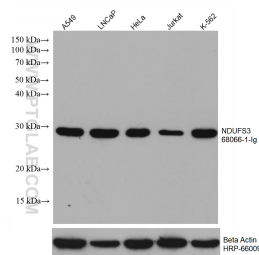
Storage:  
Store at -80°C.  
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:  
PBS Only

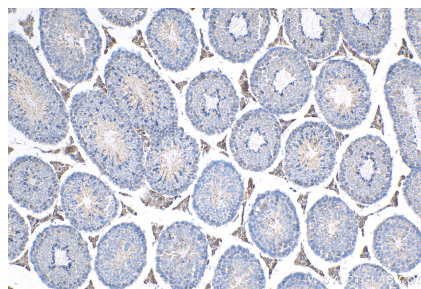
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68066-1-Ig (NDUF53 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 68066-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 68066-1-Ig (NDUF53 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68066-1-PBS in a different storage buffer formulation.