

For Research Use Only

# NDUFS3 Monoclonal antibody, PBS Only



Catalog Number: 68066-1-PBS

## Basic Information

<b>Catalog Number:</b> 68066-1-PBS	<b>GenBank Accession Number:</b> BC000617	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4722	<b>CloneNo.:</b> 1A1B3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O75489	
<b>Isotype:</b> IgG1	<b>Full Name:</b> NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase)	
<b>Immunogen Catalog Number:</b> AG7072	<b>Calculated MW:</b> 30 kDa	
	<b>Observed MW:</b> 30 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**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.

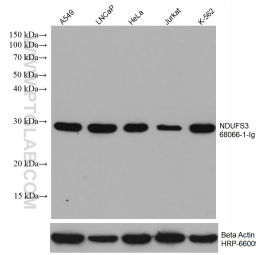
## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
PBS Only

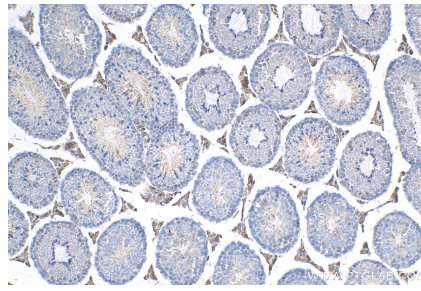
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68066-1-Ig (NDUFS3 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 (NDUFS3 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.