

# NDUFS3 Monoclonal antibody

Catalog Number: 68066-1-Ig

## Basic Information

**Catalog Number:**

68066-1-Ig

**Size:**

150ul , Concentration: 1000 ug/ml by Nanodrop;

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG7072

**GenBank Accession Number:**

BC000617

**GeneID (NCBI):**

4722

**UNIPROT ID:**

O75489

**Full Name:**

NADH dehydrogenase (ubiquinone)  
Fe-S protein 3, 30kDa (NADH-  
coenzyme Q reductase)

**Calculated MW:**

30 kDa

**Observed MW:**

30 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1A1B3

**Recommended Dilutions:**

WB 1:5000-1:50000

IHC 1:1000-1:4000

## Applications

**Tested Applications:**

WB, IHC, ELISA

**Species Specificity:**

Human, pig, rabbit, mouse, rat

**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 :** A549 cells, pig brain tissue, rabbit brain tissue, rat brain tissue, mouse brain tissue, LNCaP cells, HeLa cells, Jurkat cells, K-562 cells

**IHC :** mouse testis tissue,

## 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 -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

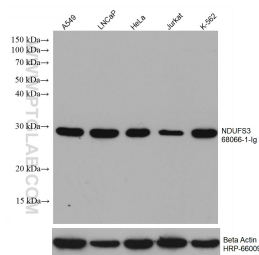
For technical support and original validation data for this product please contact:

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

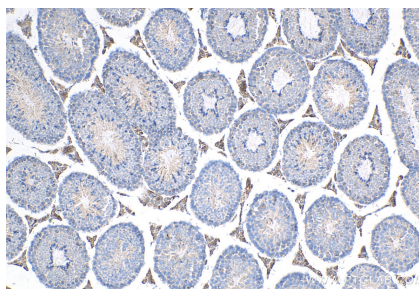
E: proteintech@ptglab.com  
W: ptglab.com

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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.



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).