

NDUFS3 Monoclonal antibody

Catalog Number: 68066-1-Ig

Basic Information

Catalog Number: 68066-1-Ig	GenBank Accession Number: BC000617	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4722	CloneNo.: 1A1B3
Source: Mouse	Full Name: NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase)	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:1000-1:4000
Isotype: IgG1	Calculated MW: 30 kDa	
Immunogen Catalog Number: AG7072	Observed MW: 30 kDa	

Applications

Tested Applications:

IHC, WB, 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

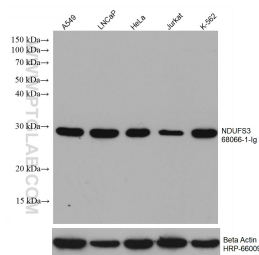
For technical support and original validation data for this product please contact:

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

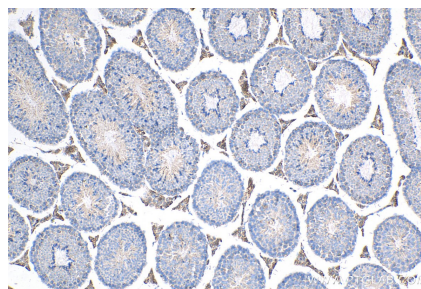
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Selected Validation Data



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).