

NDUFS3 Monoclonal antibody

Catalog Number: 68066-1-Ig

Basic Information

Catalog Number:

68066-1-Ig

Size:

1000 µg/ml

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:

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:

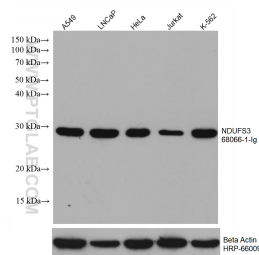
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

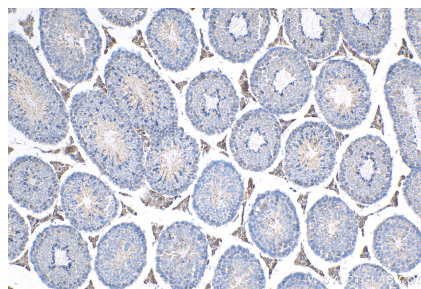
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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).