

For Research Use Only

NDUFS3 Polyclonal antibody, PBS Only

Catalog Number: 15066-1-PBS

Featured Product



Basic Information

Catalog Number:

15066-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

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:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human, 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, pH7.3

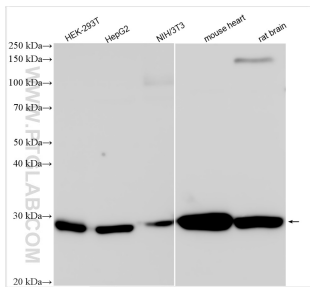
For technical support and original validation data for this product please contact:

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

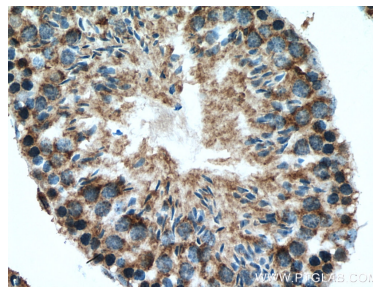
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

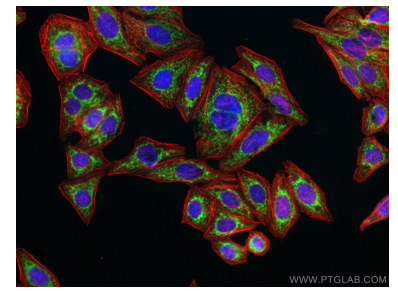
Selected Validation Data



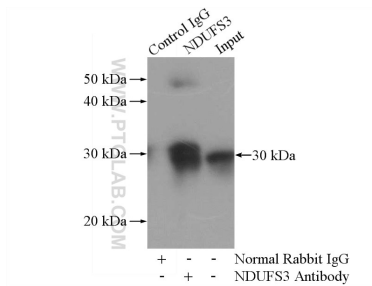
Various lysates were subjected to SDS PAGE followed by western blot with 15066-1-AP (NDUFS3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 15066-1-PBS in a different storage buffer formulation.



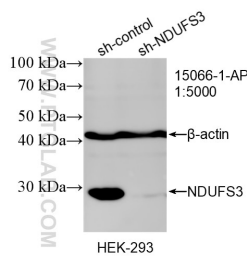
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 15066-1-AP (NDUFS3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 15066-1-PBS in a different storage buffer formulation.



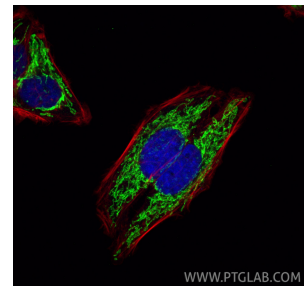
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using NDUFS3 antibody (15066-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 15066-1-PBS in a different storage buffer formulation.



IP result of anti-NDUFS3 (IP:15066-1-AP, 4ug; Detection:15066-1-AP 1:500) with mouse heart tissue lysate 4000ug. This data was developed using the same antibody clone with 15066-1-PBS in a different storage buffer formulation.



WB result of NDUFS3 antibody (15066-1-AP; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NDUFS3 transfected HEK-293 cells. This data was developed using the same antibody clone with 15066-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NDUFS3 antibody (15066-1-AP) at dilution of 1:100 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CoraLite®594-Phalloidin (red). This data was developed using the same antibody clone with 15066-1-PBS in a different storage buffer formulation.