

For Research Use Only

NDUFA10 Polyclonal antibody, PBS Only

Catalog Number: 32947-1-PBS



Basic Information

Catalog Number:

32947-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG37576

GenBank Accession Number:

BC003417

GeneID (NCBI):

4705

UNIPROT ID:

O95299

Full Name:

NADH dehydrogenase (ubiquinone) 1
alpha subcomplex, 10, 42kDa

Calculated MW:

41 kDa

Observed MW:

40 kDa

Purification Method:

Antigen affinity Purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse

Background Information

NDUFA10 (NADH:ubiquinone oxidoreductase subunit A10) is a subunit of mitochondrial complex I of the electron transport chain, encoding a protein with NADH dehydrogenase and oxidoreductase activity. This protein transfers electrons from NADH to the respiratory chain. Mutations in the NDUFA10 gene are associated with Leigh syndrome, a common mitochondrial energy metabolism disorder in children. Additionally, the expression levels of NDUFA10 are related to the occurrence and prognosis of various diseases. For example, in Alzheimer's disease, its low expression is associated with increased dementia severity. In prostate cancer, low expression of NDUFA10 predicts a poor prognosis.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

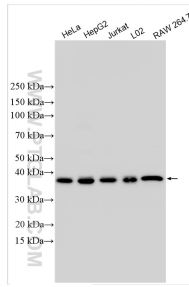
T: 4006900926

E: Proteintech-CN@ptglab.com

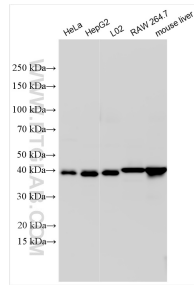
W: ptgcn.com

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

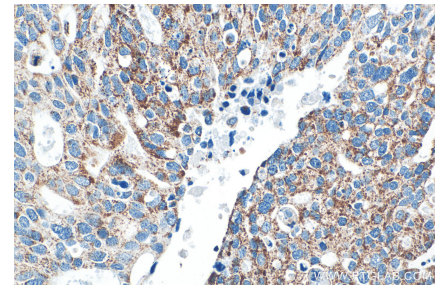
Selected Validation Data



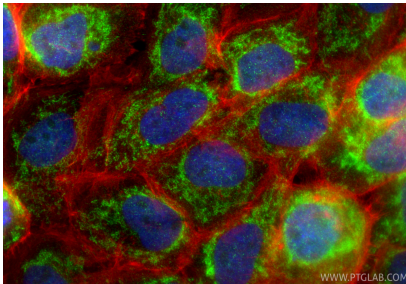
Various lysates were subjected to SDS PAGE followed by western blot with 32947-1-AP (NDUFA10 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 32947-1-PBS in a different storage buffer formulation.



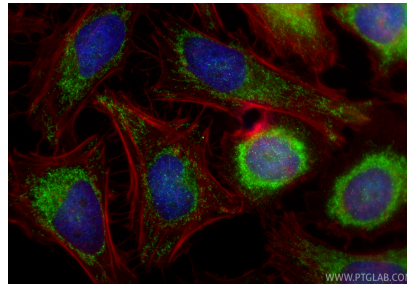
Various lysates were subjected to SDS PAGE followed by western blot with 32947-1-AP (NDUFA10 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 32947-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 32947-1-AP (NDUFA10 antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 32947-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using NDUFA10 antibody (32947-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 32947-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using NDUFA10 antibody (32947-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 32947-1-PBS in a different storage buffer formulation.