

For Research Use Only

NDUFA10 Polyclonal antibody

Catalog Number: 32947-1-AP



Basic Information

Catalog Number: 32947-1-AP	GenBank Accession Number: BC003417	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 4705	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:2500-1:10000 IF/ICC: 1:50-1:500
Source: Rabbit	UNIPROT ID: O95299	
Isotype: IgG	Full Name: NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42kDa	
Immunogen Catalog Number: AG37576	Calculated MW: 41 kDa	
	Observed MW: 40 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human, mouse

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 : HeLa cells, HepG2 cells, L02 cells, RAW264.7 cells, mouse liver tissue, Jurkat cells, RAW 264.7 cells

IHC : human ovary tumor tissue,

IF/ICC : A431 cells, HeLa cells

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

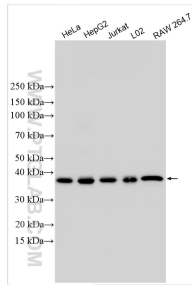
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

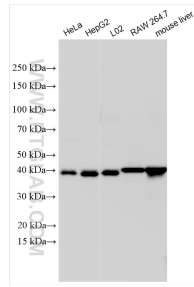
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

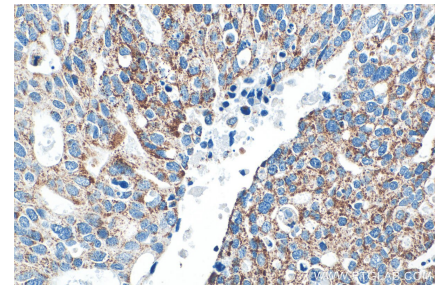
Selected Validation Data



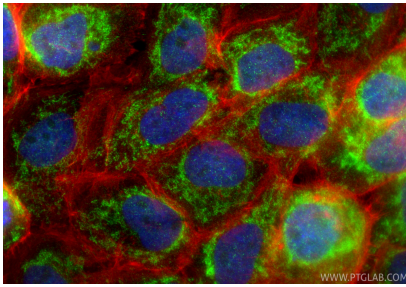
Various lysates were subjected to SDS PAGE followed by western blot with 32947-1-AP (NDUFA10 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



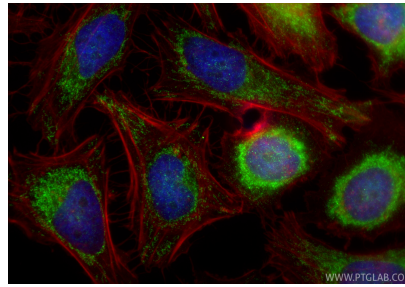
Various lysates were subjected to SDS PAGE followed by western blot with 32947-1-AP (NDUFA10 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).



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).



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).