

For Research Use Only

NDUFS7 Polyclonal antibody

Catalog Number: 15728-1-AP **16 Publications**



Basic Information

Catalog Number: 15728-1-AP	GenBank Accession Number: BC005954	Purification Method: Antigen affinity purification
Size: 600 ug/ml	GeneID (NCBI): 374291	Recommended Dilutions: WB 1:1000-1:5000 IHC 1:20-1:200 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: O75251	
Isotype: IgG	Full Name: NADH dehydrogenase (ubiquinone) Fe-S protein 7, 20kDa (NADH- coenzyme Q reductase)	
Immunogen Catalog Number: AG8471	Calculated MW: 213 aa, 24 kDa	
	Observed MW: 20 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : A549 cells, human brain tissue, HeLa cells IHC : human liver tissue, IF/ICC : HeLa cells,
Cited Applications: WB, IHC, IF, IP	
Species Specificity: human, mouse, rat	
Cited Species: 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	

Background Information

NDUFS7(NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial) protein is one of the most conserved subunits of mitochondrial respiratory chain complex I and plays a central role in the interaction with the electron acceptor ubiquinone and in the proton-translocating mechanism(PMID:15269216).Defects in NDUFS7 are a cause of Leigh syndrome (LS) and mitochondrial complex I deficiency (MT-C1D).

Notable Publications

Author	Pubmed ID	Journal	Application
Shashi Jain	34852219	Cell Chem Biol	WB
Hao Meng	34807408	Hum Cell	WB
Belén Ansoleaga	27297670	J Neuropathol Exp Neurol	IF

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

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

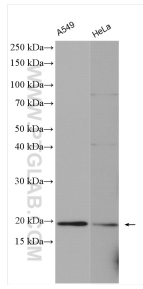
T: 4006900926

E: Proteintech-CN@ptglab.com

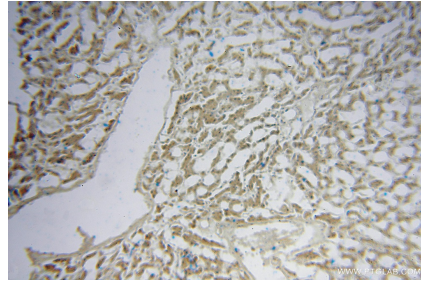
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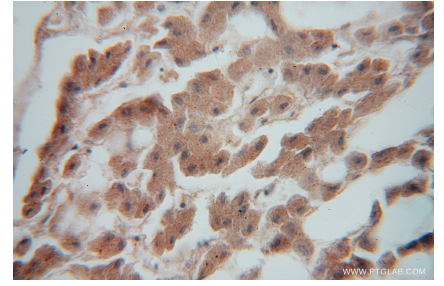
Selected Validation Data



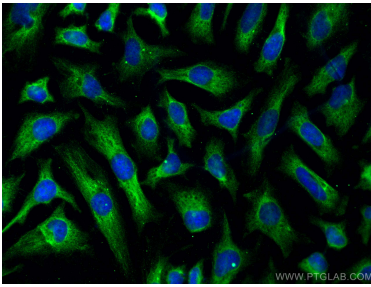
A549 cells were subjected to SDS PAGE followed by western blot with 15728-1-AP (NDUFS7 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver using 15728-1-AP (NDUFS7 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver using 15728-1-AP (NDUFS7 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using NDUFS7 antibody (15728-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).