

For Research Use Only

Multi-rAb® NDUFB8 Multi-Recombinant antibody

Catalog Number: RMX00097



Basic Information

Catalog Number: RMX00097	GenBank Accession Number: BC000466	Purification Method: N/A
Size: 100ul , Concentration: 1010 µg/ml by Nanodrop;	GeneID (NCBI): 4714	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:500-1:2000 IF/ICC: 1:250-1:1000
Source: Rabbit	UNIPROT ID: O95169	
Isotype: IgG	Full Name: NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 8, 19kDa	
	Calculated MW: 22 kDa	
	Observed MW: 19-22 kDa	

Applications

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

Species Specificity:
human, 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 : HeLa cells, HepG2 cells, mouse liver tissue, rat liver tissue

IHC : mouse brain tissue,

IF/ICC : HepG2 cells,

Background Information

NDUFB8 is encoded by a nuclear gene and is a member of the respiratory chain complex I. Respiratory chain complex I (CI; NADH: ubiquinone oxidoreductase), one of the largest membrane-bound protein complexes in the human cell, is essential for oxidative energy metabolism as it powers ATP synthesis by using the reducing potential of NADH to proton translocation across the inner mitochondrial membrane.

Storage

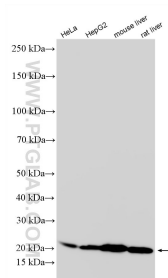
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol.
Aliquoting is unnecessary for -20°C storage

*** 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.

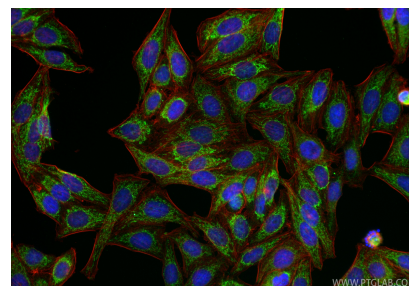
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with RMX00097 (NDUF8 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using RMX00097 (NDUF8 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NDUF8 antibody (RMX00097) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).