

For Research Use Only

# Multi-rAb® NDUFS3 Multi-Recombinant antibody

Catalog Number: RMX00096



## Basic Information

|                                                                |                                                                                                        |                                                     |
|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| <b>Catalog Number:</b><br>RMX00096                             | <b>GenBank Accession Number:</b><br>BC000617                                                           | <b>Purification Method:</b><br>N/A                  |
| <b>Size:</b><br>100ul , Concentration: 1010 µg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>4722                                                                          | <b>Recommended Dilutions:</b><br>WB: 1:5000-1:50000 |
| <b>Source:</b><br>Rabbit                                       | <b>UNIPROT ID:</b><br>O75489                                                                           | <b>IHC:</b> 1:200-1:800                             |
| <b>Isotype:</b><br>IgG                                         | <b>Full Name:</b><br>NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase) | <b>IF/ICC:</b> 1:250-1:1000                         |
|                                                                | <b>Calculated MW:</b><br>30 kDa                                                                        |                                                     |
|                                                                | <b>Observed MW:</b><br>30 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 :** HepG2 cells, NIH/3T3 cells, K-562 cells, mouse brain tissue, rat brain tissue

**IHC :** human placenta tissue,

**IF/ICC :** HepG2 cells,

## 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 -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol.

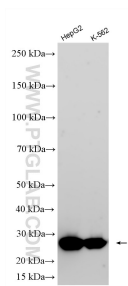
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

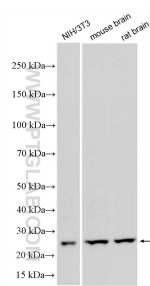
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

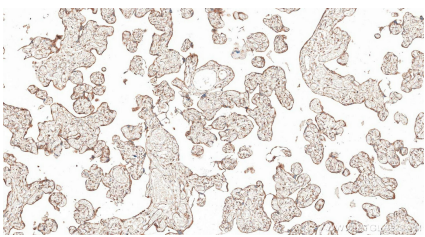
Selected Validation Data



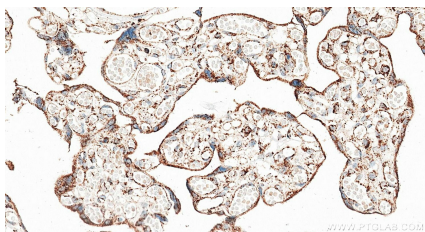
Various lysates were subjected to SDS PAGE followed by western blot with RMX00096 (NDUFS3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



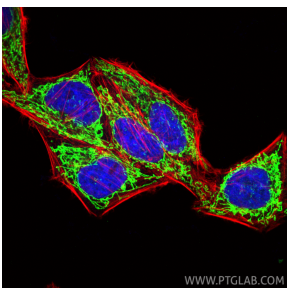
Various lysates were subjected to SDS PAGE followed by western blot with RMX00096 (NDUFS3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using RMX00096 (NDUFS3 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using RMX00096 (NDUFS3 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NDUFS3 antibody (RMX00096) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), (CoraLite®594-Phalloidin, red).