

For Research Use Only

# NDUFB11 Recombinant monoclonal antibody

Catalog Number:87048-2-RR



## Basic Information

<b>Catalog Number:</b> 87048-2-RR	<b>GenBank Accession Number:</b> BC107805	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 54539	<b>CloneNo.:</b> 252035C9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NX14	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IF/ICC: 1:400-1:1600
<b>Isotype:</b> IgG	<b>Full Name:</b> NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 11, 17.3kDa	
<b>Immunogen Catalog Number:</b> AG10159	<b>Calculated MW:</b> 163 aa, 18 kDa	
	<b>Observed MW:</b> 18-20 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, rat	<b>WB :</b> HeLa cells, HEK-293 cells, A431 cells, HepG2 cells, PC-3 cells, rat skeletal muscle tissue
	<b>IF/ICC :</b> HepG2 cells,

## Background Information

NDUFB11(NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 11, mitochondrial) is also named as neuronal protein 17.3(Np17.3) and belongs to the complex I NDUFB11 subunit family. This protein is involved in the transfer of electrons from NADH to the respiratory chain and play a role in the growth, maintenance, and survival of neurons. NDUFB11 has 2 isoforms produced by alternative splicing.

## 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

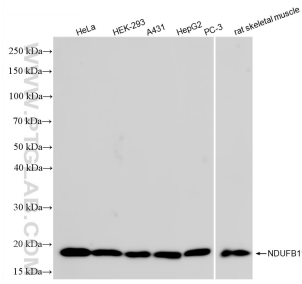
For technical support and original validation data for this product please contact:

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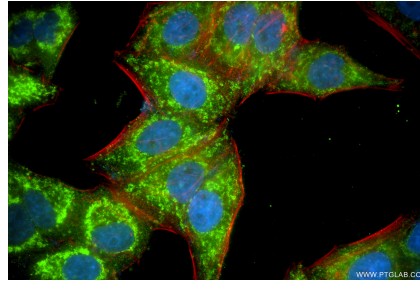
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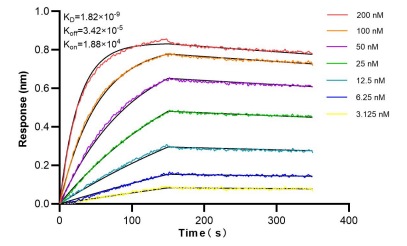
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87048-2-RR (NDUFB11 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NDUFB11 antibody (87048-2-RR, Clone: 252035C9) at dilution of 1:800 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).



Bi-layer interferometry (BLI) kinetic assays of 87048-2-RR against Human NDUFB11 were performed. The affinity constant is 1.82 nM.