

For Research Use Only

NDUFB11 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 87048-2-PBS



Basic Information

Catalog Number: 87048-2-PBS	GenBank Accession Number: BC107805	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 54539	CloneNo.: 252035C9
Isotype: IgG	UNIPROT ID: Q9NX14	
Immunogen Catalog Number: AG10159	Full Name: NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 11, 17.3kDa	
	Calculated MW: 163 aa, 18 kDa	
	Observed MW: 18-20 kDa	

Applications

Tested Applications:
WB, IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:
human, rat

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

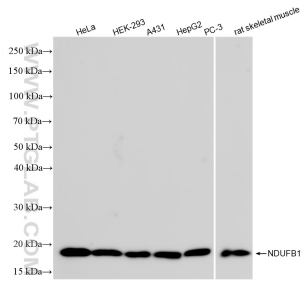
T: 4006900926

E: Proteintech-CN@ptglab.com

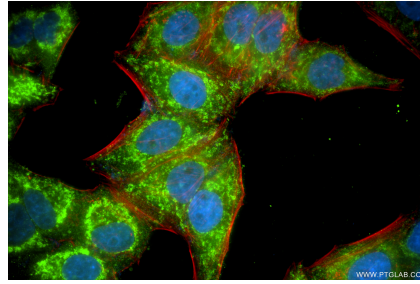
W: ptgcn.com

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

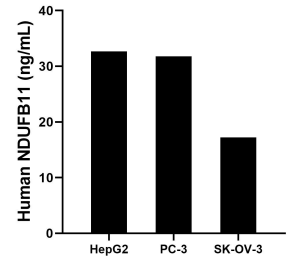
Selected Validation Data



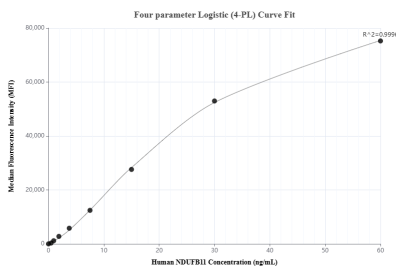
Various lysates were subjected to SDS PAGE followed by western blot with 87048-2-RR (NDUFB11 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87048-2-PBS in a different storage buffer formulation.



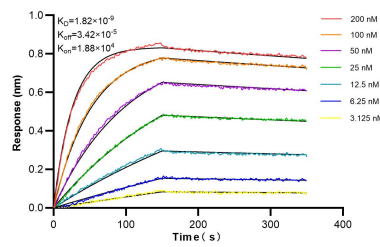
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NDUFB11 antibody (87048-2-RR, Clone: 252035C9) at dilution of 1:800 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red). This data was developed using the same antibody clone with 87048-2-PBS in a different storage buffer formulation.



The mean NDUFB11 concentration was determined to be 32.7 ng/mL in HepG2 cell extract based on a 1.2 mg/mL extract load, 31.8 ng/mL in PC-3 cell extract based on a 1.2 mg/mL extract load, 17.2 ng/mL in SK-OV-3 cell extract based on a 1.1 mg/mL extract load.



Cytometric bead array standard curve of MP02849-1, NDUFB11 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87048-2-PBS. Detection antibody: 87048-1-PBS. Standard: Ag10159. Range: 0.469-60 ng/mL.



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