For Research Use Only

NDUFB11 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number:87048-2-PBS

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
87048-2-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG10159

GenBank Accession Number:
BC107805

GeneID (NCBI):
54539

UNIPROT ID:
Q9NX14

Full Name:
NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 11, 17.3kDa

Calculated MW:
163 aa, 18 kDa

Observed MW:
18-20 kDa

Purification Method:
Protein A purification

CloneNo.:
252035C9

Applications

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

Species Specificity:
human, rat

Product Information

87048-2-PBS targets NDUFB11 as part of a matched antibody pair:

MP02849-1: 87048-2-PBS capture and 87048-1-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications.Antibody use should be optimized by the end user for each application and assay.

Background Information

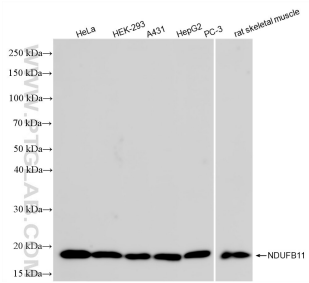
NDUFB11(NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 11, mitochondrial) is also named as neuronal protein 17.3(Np17.3) and belongs to the complex I NDUFB11 subunit family. This protein is involved in the transfer of electrons from NADH to the respiratory chain and play a role in the growth,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

Storage

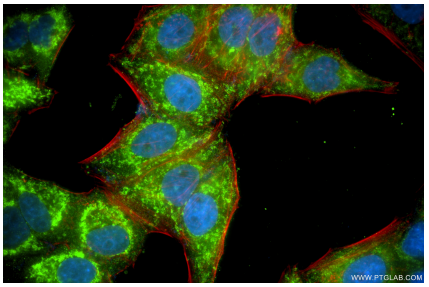
Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

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

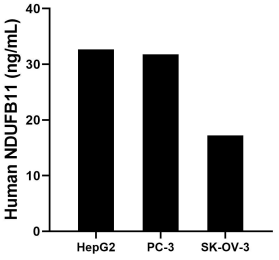
Selected Validation Data



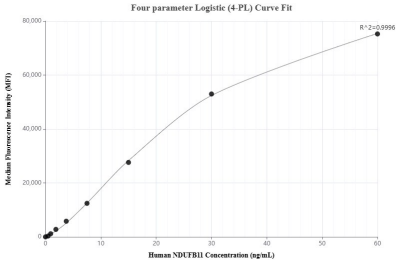
Various lysates were subjected to SDS PAGE followed by western blot with 87048-2-RR (NDUFB11 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87048-2-PBS in a different storage buffer formulation.



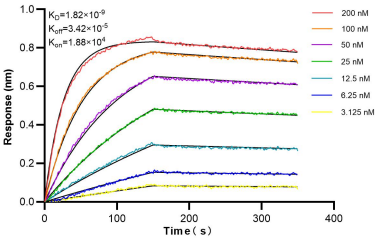
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NDUFB11 antibody (87048-2-RR, Clone: 252035C9) at dilution of 1:800 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red). This data was developed using the same antibody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