

For Research Use Only

NDUFB8 Recombinant antibody

Catalog Number: 83216-3-RR



Basic Information

Catalog Number:

83216-3-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6495

GenBank Accession Number:

BC000466

GeneID (NCBI):

4714

UNIPROT ID:

O95169

Full Name:

NADH dehydrogenase (ubiquinone) 1
beta subcomplex, 8, 19kDa

Calculated MW:

22 kDa

Observed MW:

19-22 kDa

Purification Method:

Protein A purification

CloneNo.:

230510B10

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total

protein lysate

IHC 1:50-1:500

IF/ICC 1:125-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, 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, A549 cells, mouse liver tissue,
mouse brain tissue, rat brain tissue, HeLa cells, Jurkat
cells

IP : HepG2 cells,

IHC : human stomach cancer tissue, human
intrahepatic cholangiocarcinoma tissue

IF/ICC : HepG2 cells,

Background Information

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

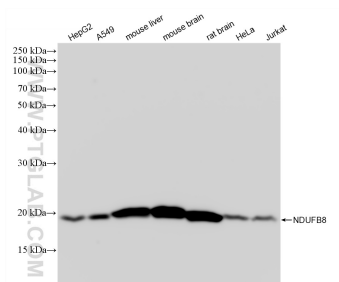
T: 4006900926

E: Proteintech-CN@ptglab.com

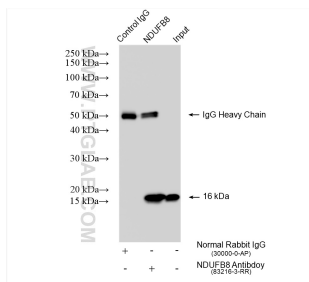
W: ptgcn.com

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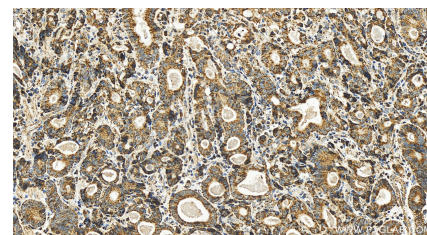
Selected Validation Data



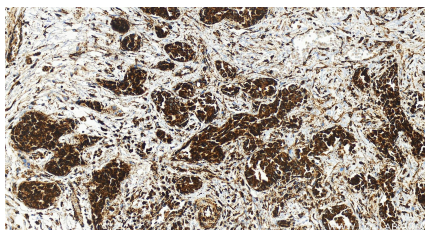
Various lysates were subjected to SDS PAGE followed by western blot with 83216-3-RR (NDUFB8 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



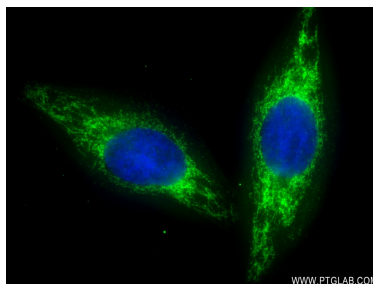
IP result of anti-NDUFB8 (IP:83216-3-RR, 4ug; Detection:83216-3-RR 1:3000) with HepG2 cells lysate 1470 ug.



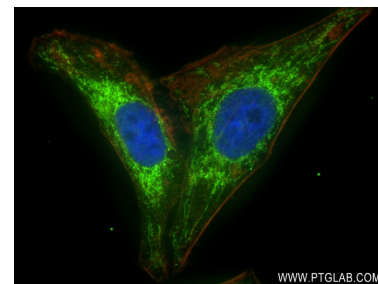
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 83216-3-RR (NDUFB8 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer(pH9).



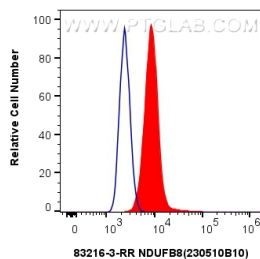
Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 83216-3-RR (NDUFB8 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



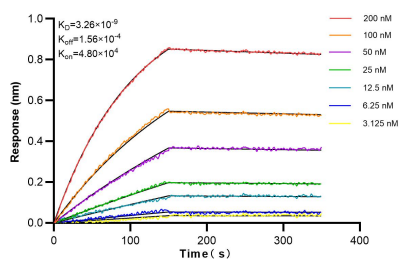
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NDUFB8 antibody (83216-3-RR, Clone: 230510B10) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NDUFB8 antibody (83216-3-RR, Clone: 230510B10) at dilution of 1:300 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug NDUFB8 Recombinant antibody (83216-3-RR, Clone:230510B10) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83216-3-RR against Human NDUFB8 were performed. The affinity constant is 3.26 nM.