

For Research Use Only

NDUFS3 Recombinant monoclonal antibody

Catalog Number: 86676-1-RR

Featured Product



Basic Information

Catalog Number:

86676-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7072

GenBank Accession Number:

BC000617

GeneID (NCBI):

4722

UNIPROT ID:

O75489

Full Name:

NADH dehydrogenase (ubiquinone)
Fe-S protein 3, 30kDa (NADH-
coenzyme Q reductase)

Calculated MW:

30 kDa

Observed MW:

30 kDa

Purification Method:

Protein A purification

CloneNo.:

251654E6

Recommended Dilutions:

WB: 1:5000-1:50000

IF/ICC: 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HEK-293T cells, HEK-293 cells, K-562 cells, L02 cells, HepG2 cells, mouse brain tissue, rat brain 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).

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

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

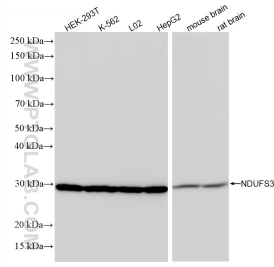
T: 4006900926

E: Proteintech-CN@ptglab.com

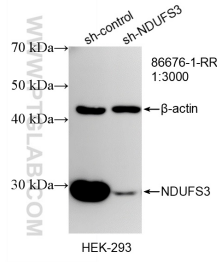
W: ptgcn.com

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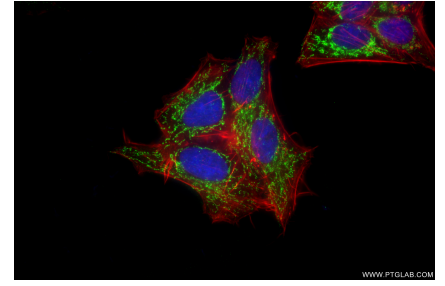
Selected Validation Data



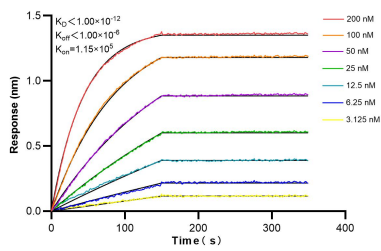
Various lysates were subjected to SDS PAGE followed by western blot with 86676-1-RR (NDUFS3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of NDUFS3 antibody (86676-1-RR; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NDUFS3 transfected HEK-293 cells.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NDUFS3 antibody (86676-1-RR, Clone: 251654E6) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 86676-1-RR against Human NDUFS3 were performed. The affinity constant is below 1 pM.