

For Research Use Only

NDUFS3 Recombinant monoclonal antibody

Catalog Number:86676-1-RR



Basic Information

Catalog Number: 86676-1-RR	GenBank Accession Number: BC000617	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4722	CloneNo.: 251654E6
Source: Rabbit	UNIPROT ID: O75489	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:200-1:800
Isotype: IgG	Full Name: NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase)	
Immunogen Catalog Number: AG7072	Calculated MW: 30 kDa	
	Observed MW: 30 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : HEK-293T cells, HEK-293 cells, K-562 cells, L02 cells, HepG2 cells, mouse brain tissue, rat brain tissue
Species Specificity: human, mouse, rat	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 30kDa 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

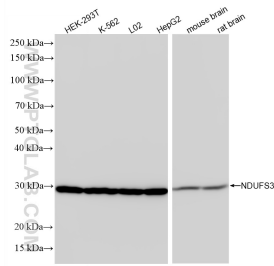
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

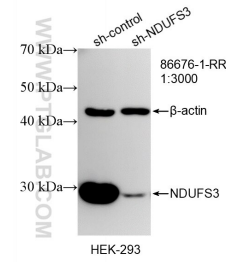
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

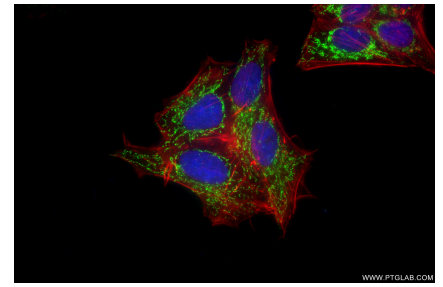
Selected Validation Data



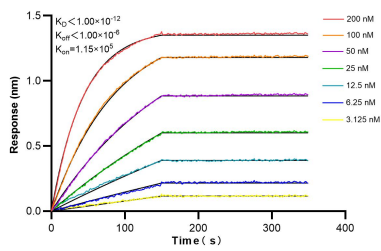
Various lysates were subjected to SDS PAGE followed by western blot with 86676-1-RR (NDUFS3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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.