NDUFS3 Rabbit mAb

Catalog No: #59559

Package Size: #59559-1 50ul #59559-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	NDUFS3 Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF
Species Reactivity	Human Mouse Rat
Specificity	NDUFS3 Antibody detects endogenous levels of total NDUFS3
Immunogen Description	A synthesized peptide derived from human NDUFS3
Other Names	CI 30KD; Complex I 30KD; COMPLEX I, MITOCHONDRIAL RESPIRATORY CHAIN, 30-KD SUBUNIT; Complex I-30kD; mitochondrial; NADH coenzyme Q reductase; NDUFS3;
Accession No.	Uniprot:O75489
Calculated MW	Predicted band size: 30 kDa
SDS-PAGE MW	Observed band size: 30 kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

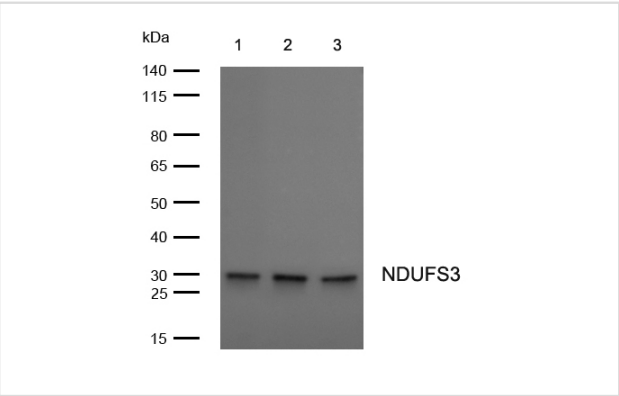
Application Details

WB: 1:500-1:2000

IHC: 1:50-1:200

ICC/IF: 1:50-1:200

Images



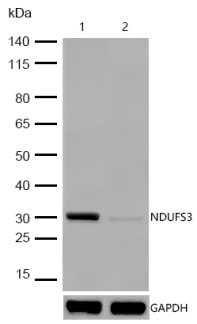
All lanes: NDUFS3 Rabbit mAb at 1/1k dilution

Lane 1 : 293T whole cell lysates Lane 2 : JK whole cell lysates
Lane 3 : Hela whole cell lysates
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 30 kDa
Observed band size: 30 kDa

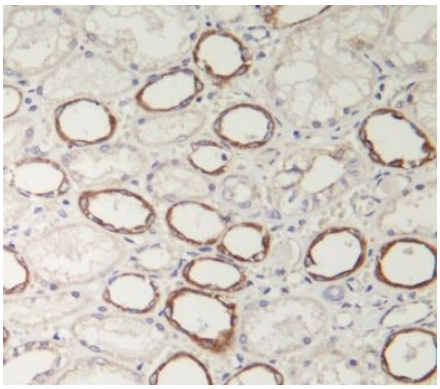
Exposure time: 8 seconds



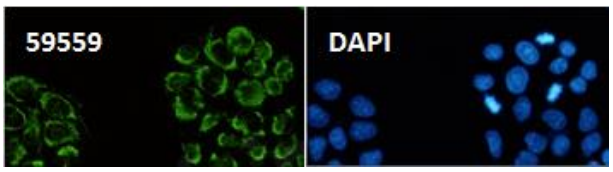
All lanes:NDUFS3 Rabbit mAb at 1/1k dilution

Lane 1 : Wild-type HAP1 cell lysate
Lane 2 :NDUFS3 Rabbit mAb knockdown HAP1 cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded human kidney tissue stained for NDUFS3 using 59559 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence NDUFS3 antibody (59559) ICC/IF staining of NDUFS3 in MCF-7 cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 59559 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500.

Nuclei were counterstained with DAPI.

Background

Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.