

# NDUFB8 Rabbit mAb

Catalog No: #49897

Package Size: #49897-1 50ul #49897-2 100ul

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## Description

Product Name	NDUFB8 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	JG61-36
Purification	ProA affinity purified
Applications	WB,IP,IHC,FC,ICCoO IF
Species Reactivity	Human;Mouse;Rat
Immunogen Description	Recombinant protein within human NDUFB8 aa 30-130.
Conjugates	Unconjugated
Other Names	ASHI antibody CI-ASHI antibody Complex I ASHI subunit antibody Complex I-ASHI antibody mitochondrial antibody NADH dehydrogenase (ubiquinone) 1 beta subcomplex 8 19kDa antibody NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 8 antibody NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 8 mitochondrial antibody NADH-ubiquinone oxidoreductase ASHI subunit antibody NDUB8_HUMAN antibody NDUFB8 antibody
Accession No.	Swiss-Prot#:O95169
Calculated MW	17 kDa
Formulation	1*TBBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

## Application Details

WB: 1:500-1:2,000

IHC: 1:50-1:200

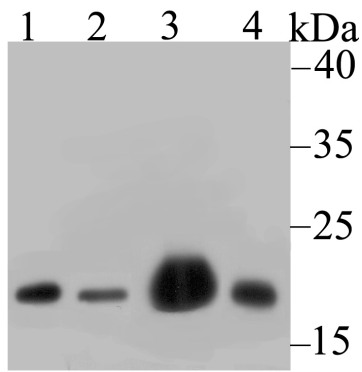
ICC: 1:50

IP: 1:10-1:50

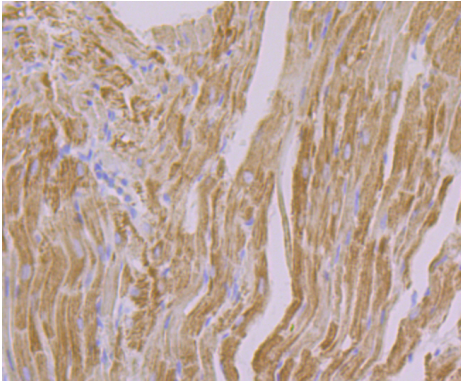
FC: 1:50-1:100

IF 1:50-1:200

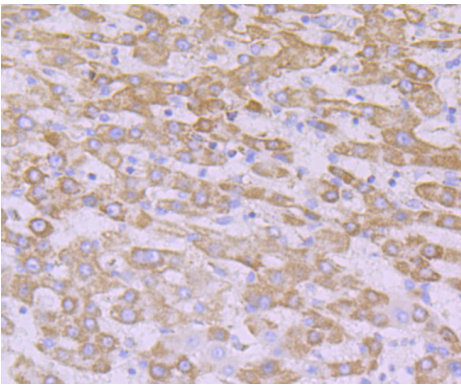
## Images



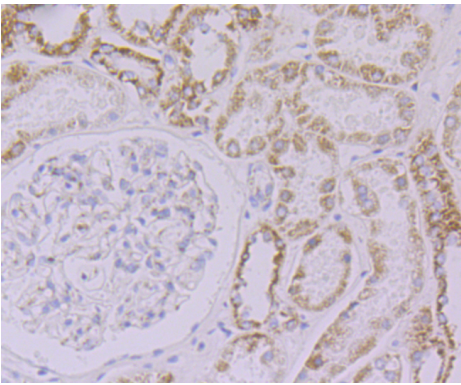
Western blot analysis of NDUF8 on different lysates using anti-NDUF8 antibody at 1/1,000 dilution. Positive control:  
 Lane 1: 293      Lane 2: A549    Lane 3: Mouse heart    Lane 4: Rat spleen



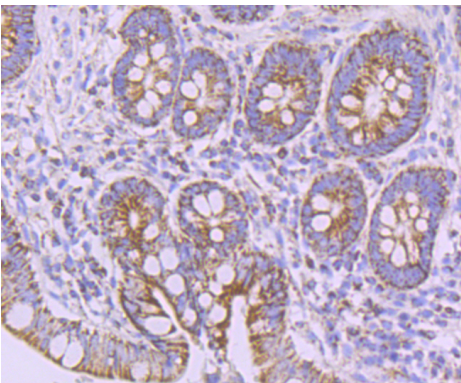
Immunohistochemical analysis of paraffin-embedded rat heart tissue using anti-NDUF8 antibody. Counter stained with hematoxylin.



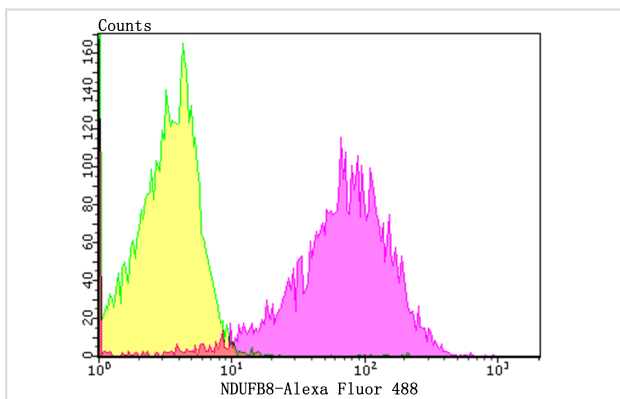
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-NDUF8 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-NDUF8 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human small intestine tissue using anti-NDUF8 antibody. Counter stained with hematoxylin.



Flow cytometric analysis of 293T cells with NDUFB8 antibody at 1/100 dilution (yellow) compared with an unlabelled control (cells without incubation with primary antibody; purple). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

## Background

Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in 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.

## References

1. Stroud D A et al. Accessory subunits are integral for assembly and function of human mitochondrial complex I. *Nature* 538:123-126 (2016).
2. Murray J et al. The subunit composition of the human NADH dehydrogenase obtained by rapid one-step immunopurification. *J Biol Chem* 278:13619-13622 (2003).

## Published Papers

Ziyan Huang;Ziyan Huang;Ziyan Huang;Ziyan Huang;Xinzhao Jiang;Xinzhao Jiang;Xinzhao Jiang;Xinzhao Jiang;Lichen Zhang;Lichen Zhang;Lichen Zhang;Lichen Zhang;Wei Wang;Wei Wang;Wei Wang;Wei Wang;Ziang Li;Ziang Li;Ziang Li;Ziang Li;Yiyang Huang;Yiyang Huang;Yiyang Huang;Yiyang Huang;Yichang Xu;Yichang Xu;Yichang Xu;Yichang Xu;Liang Zhou;Liang Zhou;Liang Zhou;Liang Zhou;Jie Wu;Jie Wu;Jie Wu;Jie Wu;Jincheng Tang;Jincheng Tang;Jincheng Tang;Jincheng Tang;Kun Xi;Kun Xi;Kun Xi;Kun Xi;Yu Feng;Yu Feng;Yu Feng;Yu Feng;Liang Chen;Liang Chen;Liang Chen;Liang Chen et al., Multifunctional manganese-based nanogels catalyze immune energy metabolism to promote bone repair, , (2025)

PMID:

Jinhuan Qiu et al., A Novel CYP2E1 Inhibitor, 4β-Methyl-5β-Acetylthiazole (Q11), Alleviates Obesity Via Modulating Adipose Inflammation and Mitochondrial Dysfunction, *Advanced Science*, (2025)

PMID:41420839

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