



NDUFS3 Rabbit mAb

Catalog No	YP-rAb-17951
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Gene Name	NDUFS3
Protein Name	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3 mitochondrial
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:500-1:2000; IF 1:200-1:1000; ELISA 1:5000-1:20000; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	NDUFS3;NADH dehydrogenase [ubiquinone] iron-sulfur protein 3 mitochondrial;NDUFS3 ; NADH dehydrogenase [ubiquinone] iron-sulfur protein 3 ; mitochondrial ; Complex I-30kD ; CI-30kD ; NADH-ubiquinone oxidoreductase 30 kDa subunit
Observed Band	30kD
Calculated Molecular Weight	30kD
Cell Pathway	Mitochondrion inner membrane
Tissue Specificity	Brain,Cajal-Retzius cell,Pituitary,Skin,Stomach mucosa,Uter
Function	Catalytic activity:NADH + acceptor = NAD(+) + reduced acceptor.,Catalytic activity:NADH + ubiquinone = NAD(+) + ubiquinol.,Function: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.,similarity:Belongs to the complex I 30 kDa subunit family.,subunit:Mammalian complex I is composed of 45 different subunits.,
Background	This gene encodes one of the iron-sulfur protein (IP) components of mitochondrial NADH:ubiquinone oxidoreductase (complex I). Mutations in this gene are associated with Leigh syndrome resulting from mitochondrial complex I deficiency.[provided by RefSeq, Apr 2009],

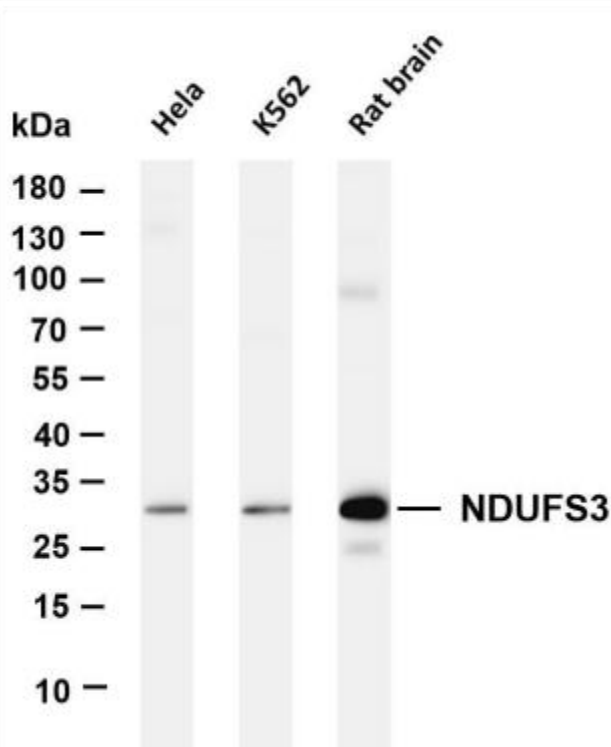


matters needing attention

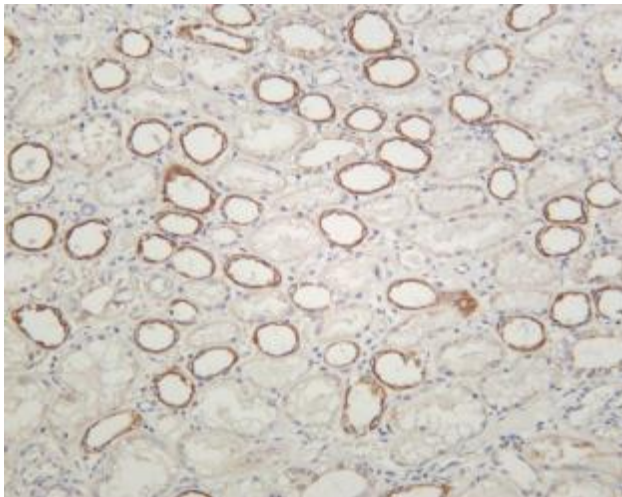
Avoid repeated freezing and thawing!

Usage suggestions

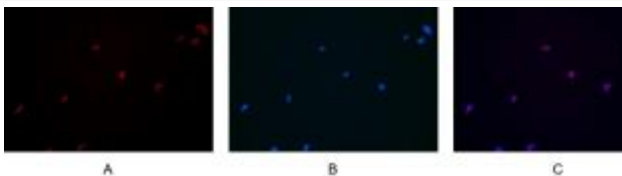
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-NDUFS3 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: K562 Lane 3: Rat brain Predicted band size: 30kDa Observed band size: 30kDa



Human kidney was stained with anti-NDUFS3 rabbit antibody



Immunofluorescence analysis of HEK293. Picture A: NDUFS3 antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B

