

## NDUFA8 Polyclonal Antibody

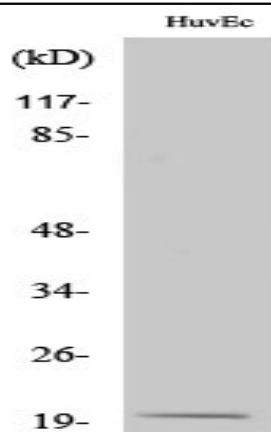
<b>Catalog No :</b>	YT3010
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	NDUFA8
<b>Fields :</b>	>>Oxidative phosphorylation;>>Metabolic pathways;>>Thermogenesis;>>Retrograde endocannabinoid signaling;>>Non-alcoholic fatty liver disease;>>Alzheimer disease;>>Parkinson disease;>>Amyotrophic lateral sclerosis;>>Huntington disease;>>Prion disease;>>Pathways of neurodegeneration - multiple diseases;>>Chemical carcinogenesis - reactive oxygen species;>>Diabetic cardiomyopathy
<b>Gene Name :</b>	NDUFA8
<b>Protein Name :</b>	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 8
<b>Human Gene Id :</b>	4702
<b>Human Swiss Prot No :</b>	P51970
<b>Mouse Gene Id :</b>	68375
<b>Mouse Swiss Prot No :</b>	Q9DCJ5
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human NDUFA8. AA range:109-158
<b>Specificity :</b>	NDUFA8 Polyclonal Antibody detects endogenous levels of NDUFA8 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200

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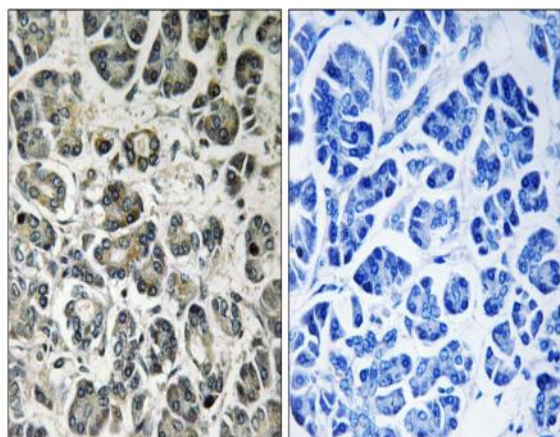
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	22kD
<b>Cell Pathway :</b>	Oxidative phosphorylation;Alzheimer's disease;Parkinson's disease;Huntington's disease;
<b>Background :</b>	The protein encoded by this gene belongs to the complex I 19 kDa subunit family. Mammalian complex I is composed of 45 different subunits. This protein has NADH dehydrogenase activity and oxidoreductase activity. It plays an important role in transferring electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015],
<b>Function :</b>	function:Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed to be not 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.,similarity:Belongs to the complex I NDUFA8 subunit family.,similarity:Contains 2 CHCH domains.,subunit:Complex I is composed of 45 different subunits.,
<b>Subcellular Location :</b>	Mitochondrion inner membrane ; Peripheral membrane protein . Mitochondrion intermembrane space . Mitochondrion .
<b>Expression :</b>	Kidney,Lymph,Thalamus,
<b>Sort :</b>	10636
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

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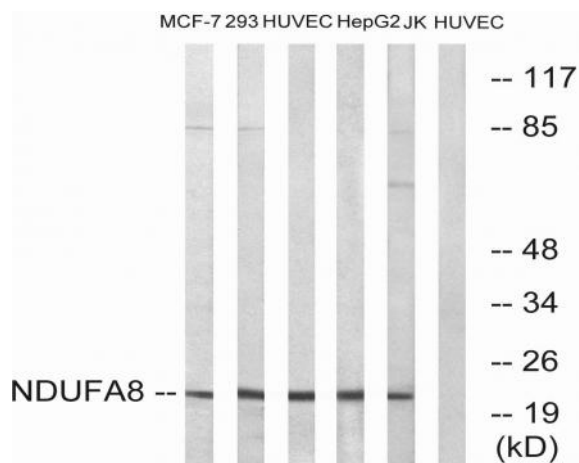
**Products Images**



Western Blot analysis of various cells using NDUFA8 Polyclonal Antibody diluted at 1:1000



Immunohistochemistry analysis of paraffin-embedded human pancreas tissue, using NDUFA8 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HUVEC, MCF-7, Jurkat, HepG2, and 293 cells, using NDUFA8 Antibody. The lane on the right is blocked with the synthesized peptide.