

## NDUFV3 Polyclonal Antibody

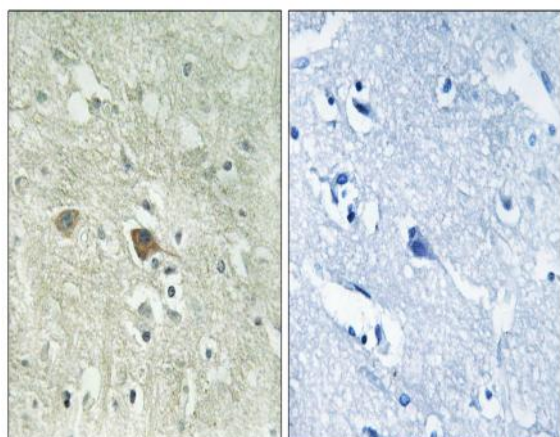
<b>Catalog No :</b>	YT3023
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	NDUFV3
<b>Fields :</b>	>>Oxidative phosphorylation;>>Metabolic pathways;>>Thermogenesis;>>Retrograde endocannabinoid signaling;>>Non-alcoholic fatty liver disease;>>Alzheimer disease;>>Parkinson disease;>>Amyotrophic lateral sclerosis;>>Huntington disease;>>Prion disease;>>Pathways of neurodegeneration - multiple diseases;>>Chemical carcinogenesis - reactive oxygen species;>>Diabetic cardiomyopathy
<b>Gene Name :</b>	NDUFV3
<b>Protein Name :</b>	NADH dehydrogenase [ubiquinone] flavoprotein 3 mitochondrial
<b>Human Gene Id :</b>	4731
<b>Human Swiss Prot No :</b>	P56181
<b>Mouse Swiss Prot No :</b>	Q8BK30
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human NDUFV3. AA range:26-75
<b>Specificity :</b>	NDUFV3 Polyclonal Antibody detects endogenous levels of NDUFV3 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>	IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	12kD
<b>Cell Pathway :</b>	Oxidative phosphorylation;Alzheimer's disease;Parkinson's disease;Huntington's disease;
<b>Background :</b>	The protein encoded by this gene is one of at least forty-one subunits that make up the NADH-ubiquinone oxidoreductase complex. This complex is part of the mitochondrial respiratory chain and serves to catalyze the rotenone-sensitive oxidation of NADH and the reduction of ubiquinone. The encoded protein is one of three proteins found in the flavoprotein fraction of the complex. The specific function of the encoded protein is unknown. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],
<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 NDUFV3 subunit family.,subunit:Complex I is composed of 45 different subunits. This is a component of the flavoprotein-sulfur (FP) fragment of the enzyme.,
<b>Subcellular Location :</b>	Mitochondrion inner membrane ; Peripheral membrane protein ; Matrix side .
<b>Expression :</b>	Brain,Renal cell carcinoma,

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## Products Images



Immunohistochemistry analysis of paraffin-embedded human brain, using NDUFV3 Antibody. The picture on the right is blocked with the synthesized peptide.