Best Tools for immunology Research

NDUFA3 Polyclonal Antibody

Catalog No :	YT3007
Reactivity :	Human;Mouse
Applications :	IHC;IF;ELISA
Target :	NDUFA3
Fields :	>>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
Gene Name :	NDUFA3
Protein Name :	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 3
Human Gene Id :	4696
Human Swiss Prot No :	O95167
Mouse Gene Id :	66091
Mouse Swiss Prot No :	Q9CQ91
Immunogen :	The antiserum was produced against synthesized peptide derived from human NDUFA3. AA range:34-83
Specificity :	NDUFA3 Polyclonal Antibody detects endogenous levels of NDUFA3 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	9kD
Cell Pathway :	Oxidative phosphorylation;Alzheimer's disease;Parkinson's disease;Huntington's disease;
Background :	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 NDUFA3 subunit family.,subunit:Complex I is composed of 45 different subunits.,
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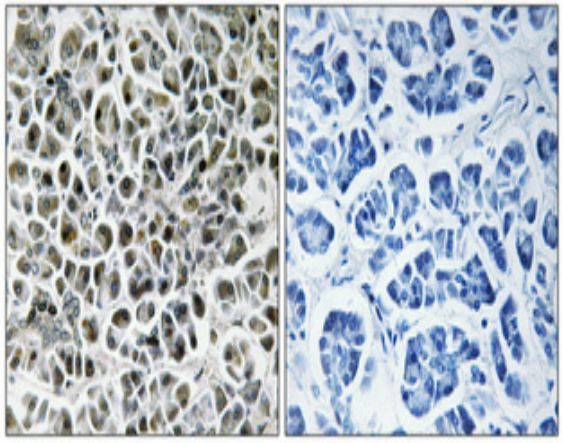
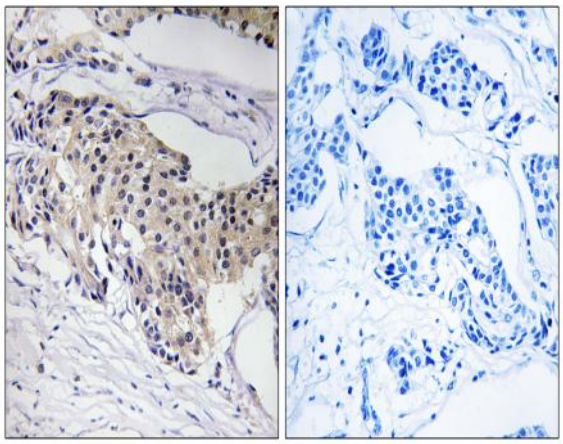
Subcellular Location :	Mitochondrion inner membrane ; Single-pass membrane protein .
Expression :	Cerebellum,Pancreas,Prostate,Umbilical cord blood,
Sort :	10634
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



Immunohistochemical analysis of paraffin-embedded Human pancreas. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using NDUFA3 Antibody. The picture on the right is blocked with the synthesized peptide.