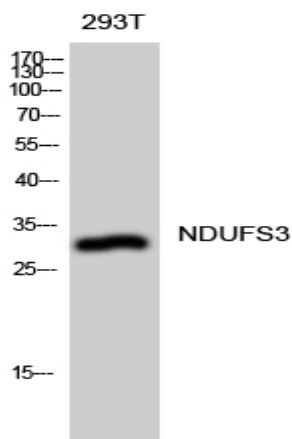


NDUFS3 Polyclonal Antibody

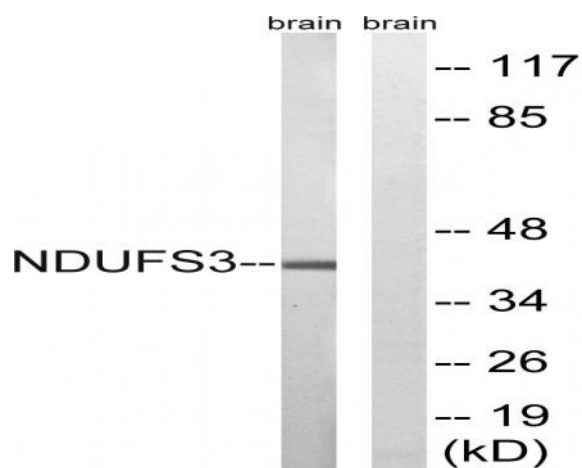
Catalog No :	YT3018
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	NDUFS3
Fields :	>>Oxidative phosphorylation;>>Metabolic pathways;>>Thermogenesis;>>Retrograde endocannabinoid signaling;>>Non-alcoholic fatty liver disease;>>Alzheimer disease;>>Parkinson disease;>>Amyotrophic lateral sclerosis;>>Huntington disease;>>Prion disease;>>Pathways of neurodegeneration - multiple diseases;>>Chemical carcinogenesis - reactive oxygen species;>>Diabetic cardiomyopathy
Gene Name :	NDUFS3
Protein Name :	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3 mitochondrial
Human Gene Id :	4722
Human Swiss Prot No :	O75489
Mouse Gene Id :	68349
Mouse Swiss Prot No :	Q9DCT2
Immunogen :	The antiserum was produced against synthesized peptide derived from human NDUFS3. AA range:117-166
Specificity :	NDUFS3 Polyclonal Antibody detects endogenous levels of NDUFS3 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.

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)
Observed Band :	40kD
Cell Pathway :	Oxidative phosphorylation;Alzheimer's disease;Parkinson's disease;Huntington's disease;
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],
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.,
Subcellular Location :	Mitochondrion inner membrane ; Peripheral membrane protein ; Matrix side .
Expression :	Brain,Cajal-Retzius cell,Pituitary,Skin,Stomach mucosa,Uter
Sort :	10644
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

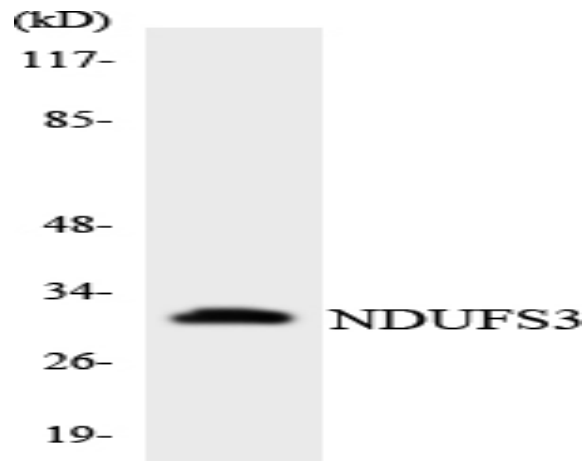
Products Images



Western Blot analysis of 293T cells using NDUFS3 Polyclonal Antibody diluted at 1:500



Western blot analysis of lysates from mouse brain, using NDUFS3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using NDUFS3 antibody.