



# NDUFS3 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-02708
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	NDUFS3
<b>Protein Name</b>	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3 mitochondrial
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human NDUFS3. AA range:117-166
<b>Specificity</b>	NDUFS3 Polyclonal Antibody detects endogenous levels of NDUFS3 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>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	NDUFS3; NADH dehydrogenase [ubiquinone] iron-sulfur protein 3; mitochondrial; Complex I-30kD; CI-30kD; NADH-ubiquinone oxidoreductase 30 kDa subunit
<b>Observed Band</b>	40kD
<b>Cell Pathway</b>	Mitochondrion inner membrane ; Peripheral membrane protein ; Matrix side .
<b>Tissue Specificity</b>	Brain,Cajal-Retzius cell,Pituitary,Skin,Stomach mucosa,Uter
<b>Function</b>	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.,
<b>Background</b>	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],



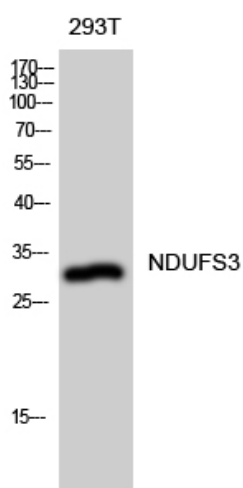
### matters needing attention

Avoid repeated freezing and thawing!

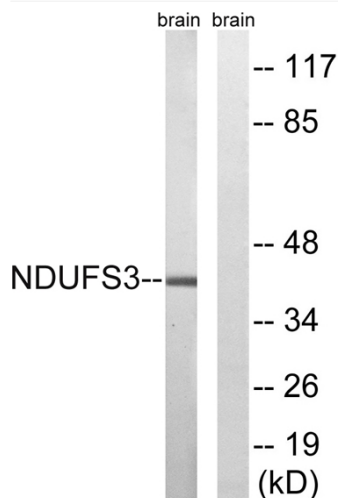
### Usage suggestions

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

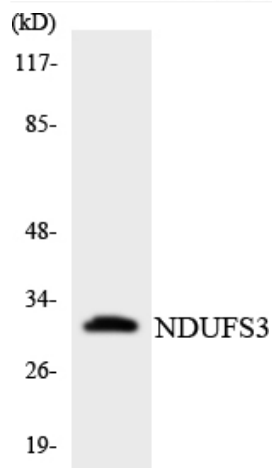
## Products Images



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.