

Product datasheet for **AP52837PU-N**

NDUFA10 (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500. Flow Cytometry: 1/10-1/50. Immunohistochemistry on Paraffin Sections: 1/50-1/100.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 259~289 amino acids from the Central region of human NDUFA10
Specificity:	This antibody recognizes Human and Mouse NDUFA10 (Center).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	NADH:ubiquinone oxidoreductase subunit A10
Database Link:	Entrez Gene 4705 Human O95299



[View online »](#)

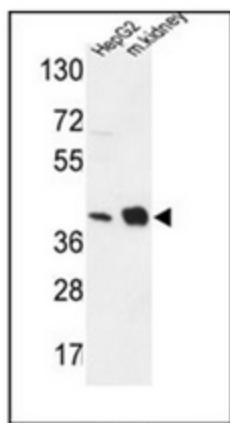
Background: The protein encoded by this gene belongs to the complex I 42kDA subunit family. Mammalian complex I is the first enzyme complex in the electron transport chain of mitochondria. It is composed of 45 different subunits. This protein is a component of the hydrophobic protein fraction and has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain.

Synonyms: mitochondrial NDUFA10

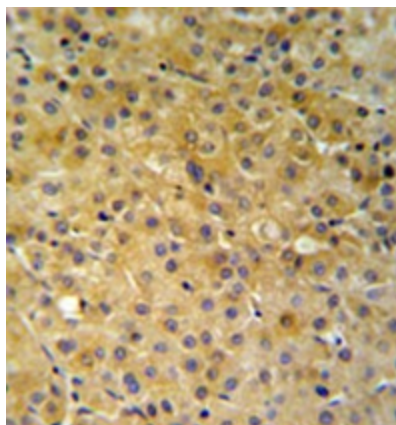
Note: **Molecular Weight:** 40751 Da

Protein Pathways: Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease

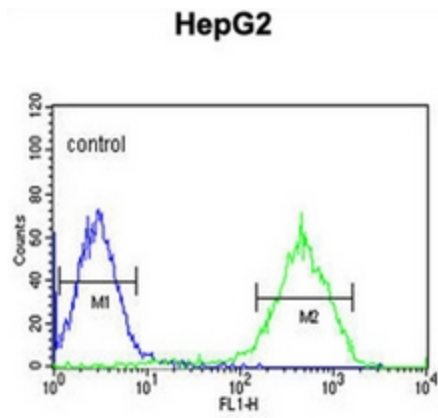
Product images:



Western blot analysis of NDUFA10 Antibody (Center) in HepG2 cell line and mouse kidney tissue lysates (35ug/lane). This demonstrates the NDUFA10 antibody detected the NDUFA10 protein (arrow).



Immunohistochemistry analysis in formalin fixed and paraffin embedded hepatocarcinoma reacted with NDUFA10 Antibody (Center), which was followed by peroxidase conjugated to the secondary antibody and DAB staining. This data demonstrates the use of the NDUFA10 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Flow cytometric analysis of HepG2 cells using NDUFA10 Antibody (Center) (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.