Product Name: **NDUFA1 Rabbit Monoclonal Antibody**
Catalog #: **AMRe21237**
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,IP
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG,Kappa
Clonality	Monoclonal
Form	Liquid
Concentration	0.2mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%protective protein
Purification	Protein A

Application

Dilution Ratio	WB 1:1000-1:5000,IHC 1:100-1:300,IP 1:50-1:100
Molecular Weight	Calculated MW:;Observed MW:8kD

Antigen Information

Gene Name	NDUFA1
Alternative Names	NDUFA1;NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 1 ;Complex I-MWFE;CI-MWFE;NADH-ubiquinone oxidoreductase MWFE subunit;
Gene ID	4694.0
SwissProt ID	O15239
Immunogen	A synthetic peptide of human NDUFA1

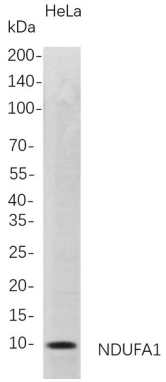
Background

Cell localization:Mitochondrion inner membrane; Single-pass membrane protein; Matrix side..The human NDUFA1 gene codes for an essential component of complex I of the respiratory chain, which transfers electrons from NADH to ubiquinone. It has

been noted that the N-terminal hydrophobic domain has the potential to be folded into an alpha-helix spanning the inner mitochondrial membrane with a C-terminal hydrophilic domain interacting with globular subunits of complex I. The highly conserved two-domain structure suggests that this feature is critical for the protein function and might act as an anchor for the NADH:ubiquinone oxidoreductase complex at the inner mitochondrial membrane. However, the NDUFA1 peptide is one of about 31 components of the "hydrophobic protein" (HP) fraction of complex I which is involved in proton translocation. Thus the NDUFA1 peptide may also participate in that function. [provided by RefSeq, Jul 2008],

Research Area

Image Data



Western Blot analysis of HeLa whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-NDUFA1 rabbit mAb. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.