

NDUFA1 Polyclonal Antibody

Catalog No.	A8326	Category	Polyclonal Antibodies
Applications	WB	Observed MW	14kDa
Cross-reactivity	Human, Mouse, Rat	Calculated MW	8kDa

Immunogen Information

Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-70 of human NDUFA1 (NP_004532.1).
Gene ID	4694
Swiss prot	O15239
Synonyms	NDUFA1; CI-MWFE; MWFE; ZNF183; NADH:ubiquinone oxidoreductase subunit A1

Product information

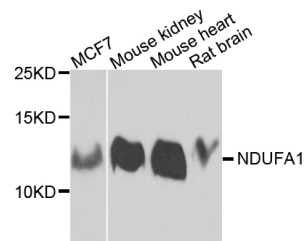
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

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.

Recommended Dilutions

WB 1:500 -
1:2000



Western blot - NDUFA1 Polyclonal Antibody (A8326)