

## ARG65261 anti-NDUFS1 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes NDUFS1
Tested Reactivity	Hu, Ms
Predict Reactivity	Cow, Rat, Dog
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	NDUFS1
Species	Human
Immunogen	C-TEKSATYVNTEGR
Conjugation	Un-conjugated
Alternate Names	CI-75k; EC 1.6.5.3; NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial; CI-75Kd; EC 1.6.99.3; PRO1304; Complex I-75kD; CI-75kD

### Application Instructions

Application table	Application	Dilution
	IHC-P	5 µg/ml
	WB	0.3 - 1 µg/ml

**Application Note**  
WB: Recommend incubate at RT for 1h.  
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links [GeneID: 227197 Mouse](#)

[GeneID: 4719 Human](#)

[Swiss-port # P28331 Human](#)

[Swiss-port # Q91VD9 Mouse](#)

Background The protein encoded by this gene belongs to the complex I 75 kDa subunit family. Mammalian complex I is composed of 45 different subunits. It locates at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. This protein is the largest subunit of complex I and it is a component of the iron-sulfur (IP) fragment of the enzyme. It may form part of the active site crevice where NADH is oxidized. Mutations in this gene are associated with complex I deficiency. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2011]

Research Area Cancer antibody; Controls and Markers antibody; Metabolism antibody; Neuroscience antibody

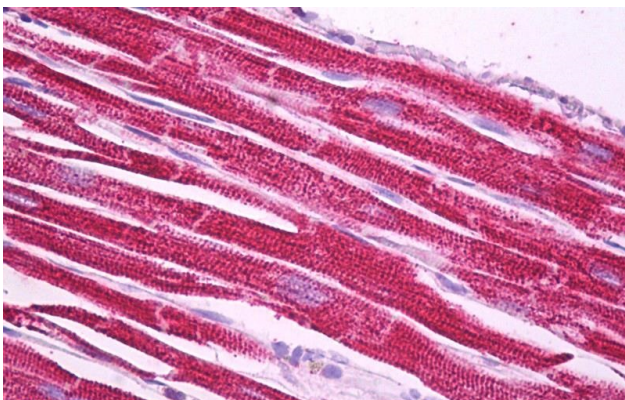
Calculated Mw 79 kDa

## Images



ARG65261 anti-NDUFS1 antibody WB image

Western Blot: Human Heart lysate (35 µg protein in RIPA buffer) stained with ARG65261 anti-NDUFS1 antibody at 0.3 µg/ml dilution.



ARG65261 anti-NDUFS1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human heart tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG65261 anti-NDUFS1 antibody at 5 µg/ml dilution followed by AP-staining.