

ARG59055 anti-NDUFA7 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes NDUFA7
Tested Reactivity	Hu, Ms, Rat, Pig
Predict Reactivity	Cow
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	NDUFA7
Species	Human
Immunogen	Synthetic peptide from the internal region of Human NDUFA7. (C-PKLPVGPESHKLSNN, NP_004992.2)
Conjugation	Un-conjugated
Alternate Names	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 7; B14.5a; NADH-ubiquinone oxidoreductase subunit B14.5a; CI-B14.5a; Complex I-B14.5a

Application Instructions

Application table	Application	Dilution
	IHC-P	4 - 8 µg/ml
	WB	0.03 - 0.1 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	15 kDa	

Properties

Form	Liquid
Purification	Affinity purified
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

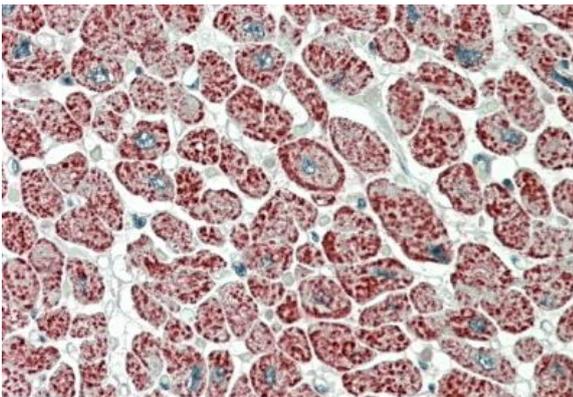
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

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

Bioinformation

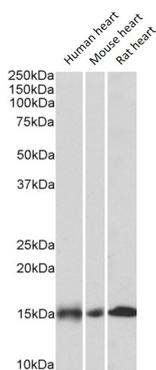
Gene Symbol	NDUFA7
Gene Full Name	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 7, 14.5kDa
Background	This gene encodes a subunit of NADH:ubiquinone oxidoreductase (complex I), which is a multiprotein complex located in the inner mitochondrial membrane. Complex I functions in the transfer of electrons from NADH to the respiratory chain. [provided by RefSeq, Mar 2011]
Function	Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in 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. [UniProt]
Calculated Mw	13 kDa
Cellular Localization	Mitochondrion inner membrane; Peripheral membrane protein; Matrix side. [UniProt]

Images



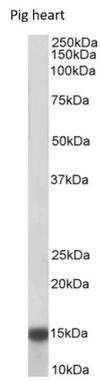
ARG59055 anti-NDUFA7 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human heart stained with ARG59055 anti-NDUFA7 antibody at 5 µg/ml dilution. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).



ARG59055 anti-NDUFA7 antibody WB image

Western blot: 35 µg of Human heart, Mouse heart and Rat heart lysates (in RIPA buffer) stained with ARG59055 anti-NDUFA7 antibody at 0.1 µg/ml dilution and incubated at RT for 1 hour.



ARG59055 anti-NDUFA7 antibody WB image

Western blot: 35 µg of Pig heart lysate (in RIPA buffer) stained with ARG59055 anti-NDUFA7 antibody at 0.1 µg/ml dilution and incubated at RT for 1 hour.