

ARG65578 anti-NDUFS8 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NDUFS8
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NDUFS8
Species	Human
Immunogen	Fusion protein of human NDUFS8
Conjugation	Un-conjugated
Alternate Names	EC 1.6.5.3; TYKY; NADH-ubiquinone oxidoreductase 23 kDa subunit; CI-23k; NADH dehydrogenase [ubiquinone] iron-sulfur protein 8, mitochondrial; CI23KD; Complex I-23kD; EC 1.6.99.3; CI-23kD; TYKY subunit

Application Instructions

Application table	Application	Dilution
	IHC-P	25-100
	WB	500-2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat cell, mouse heart and brain tissue	

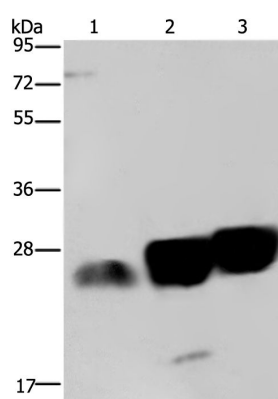
Properties

Form	Liquid
Purification	Purified by antigen-affinity chromatography.
Buffer	1XPBS (pH 7.4), 0.05% Sodium azide and 40% Glycerol
Preservative	0.05% Sodium azide
Stabilizer	40% Glycerol
Concentration	0.9 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. 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.

Bioinformation

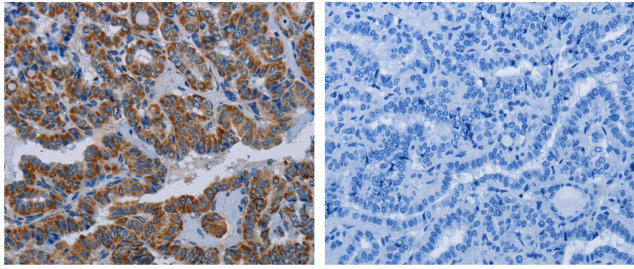
Database links	GeneID: 225887 Mouse GeneID: 4728 Human Swiss-port # O00217 Human Swiss-port # Q8K3J1 Mouse
Gene Symbol	NDUFS8
Gene Full Name	NADH dehydrogenase (ubiquinone) Fe-S protein 8, 23kDa (NADH-coenzyme Q reductase)
Background	This gene encodes a subunit of mitochondrial NADH:ubiquinone oxidoreductase, or Complex I, a multimeric enzyme of the respiratory chain responsible for NADH oxidation, ubiquinone reduction, and the ejection of protons from mitochondria. The encoded protein is involved in the binding of two of the six to eight iron-sulfur clusters of Complex I and, as such, is required in the electron transfer process. Mutations in this gene have been associated with Leigh syndrome.
Function	Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for 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 (By similarity). May donate electrons to ubiquinone. [UniProt]
Highlight	Related products: NDUFS8 antibodies: Anti-Rabbit IgG secondary antibodies: Related poster download: The Structure & Functions of Mitochondria.pdf
Research Area	Cancer antibody; Controls and Markers antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	24 kDa

Images



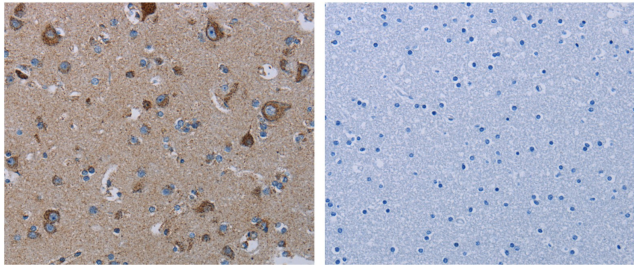
ARG65578 anti-NDUFS8 antibody WB image

Western blot: 40 µg of 1) Jurkat, 2) Mouse heart, and 3) Mouse brain lysates stained with ARG65578 anti-NDUFS8 antibody at 1:250 dilution. Exposure time: 20 seconds.



ARG65578 anti-NDUF8 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human thyroid cancer tissue stained with ARG65578 anti-NDUF8 antibody (left) at 1:20 dilution, or the same antibody preincubated with fusion protein (right). (Original magnification: $\times 200$).



ARG65578 anti-NDUF8 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human thyroid cancer tissue stained with ARG65578 anti-NDUF8 antibody (left) at 1:20 dilution, or the same antibody preincubated with fusion protein (right). (Original magnification: $\times 200$).