

ARG65566 anti-NDUFA5 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NDUFA5
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NDUFA5
Species	Human
Immunogen	Fusion protein of human NDUFA5
Conjugation	Un-conjugated
Alternate Names	CI-13kD-B; NADH-ubiquinone oxidoreductase 13 kDa-B subunit; UQOR13; Complex I subunit B13; CI-13kB; CI-13KD-B; B13; NUFM; NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 5; Complex I-13kD-B

Application Instructions

Application table	Application	Dilution
	IHC-P	100-300
	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	Human hepatocellular carcinoma and fetal brain tissue	

Properties

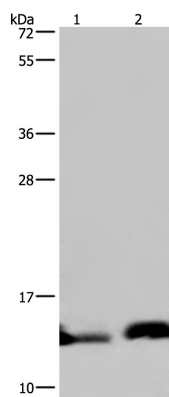
Form	Liquid
Purification	Purified by antigen-affinity chromatography.
Buffer	1XPBS (pH 7.4), 0.05% Sodium azide and 40% Glycerol
Preservative	0.05% Sodium azide
Stabilizer	40% Glycerol
Concentration	2.8 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. 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.

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

Bioinformation

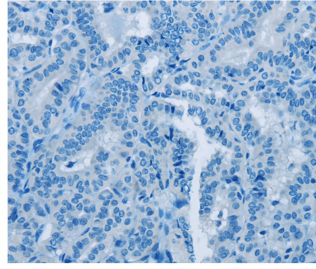
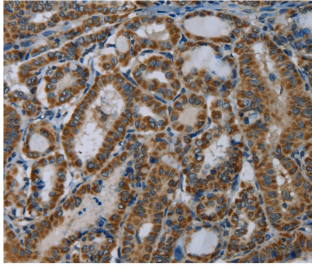
Database links	GeneID: 4698 Human Swiss-port # Q16718 Human
Gene Symbol	NDUFA5
Gene Full Name	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5
Background	This nuclear gene encodes a conserved protein that comprises the B13 subunit of complex I of the mitochondrial respiratory chain. The encoded protein localizes to the inner mitochondrial membrane, where it is thought to aid in the transfer of electrons from NADH to ubiquinone. Alternative splicing results in multiple transcript variants. There are numerous pseudogenes of this gene on chromosomes 1, 3, 6, 8, 9, 11, 12, and 16.
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]
Highlight	Related products: Anti-Rabbit IgG secondary antibodies; Related poster download: The Structure & Functions of Mitochondria.pdf
Research Area	Cancer antibody; Controls and Markers antibody; Metabolism antibody
Calculated Mw	13 kDa

Images



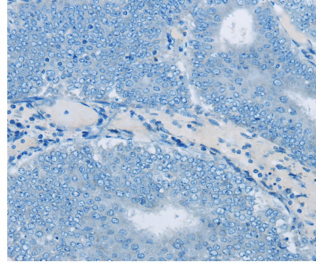
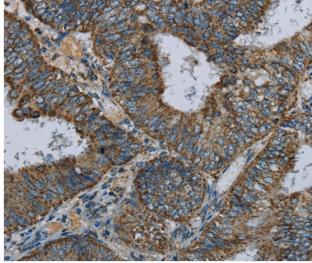
ARG65566 anti-NDUFA5 antibody WB image

Western blot: 40 µg of 1) Human hepatocellular carcinoma tissue and 2) Human fetal brain tissue lysates stained with ARG65566 anti-NDUFA5 antibody at 1:400 dilution. Exposure time: 20 seconds.



ARG65566 anti-NDUFA5 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human thyroid cancer tissue stained with ARG65566 anti-NDUFA5 antibody (left) at 1:60 dilution, or the same antibody preincubated with fusion protein (right). (Original magnification: $\times 200$).



ARG65566 anti-NDUFA5 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human thyroid cancer tissue stained with ARG65566 anti-NDUFA5 antibody (left) at 1:60 dilution, or the same antibody preincubated with fusion protein (right). (Original magnification: $\times 200$).
