

ARG65565 anti-NDUFA4 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NDUFA4
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NDUFA4
Species	Human
Immunogen	Synthetic peptide of human NDUFA4
Conjugation	Un-conjugated
Alternate Names	Cytochrome c oxidase subunit NDUFA4; Complex I-MLRQ; MLRQ; CI-9k; NADH-ubiquinone oxidoreductase MLRQ subunit; CI-MLRQ

Application Instructions

Application table	Application	Dilution
	IHC-P	50-200
	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 SKOV3 cell and human fetal liver tissue, human fetal brain tissue and HeLa cell

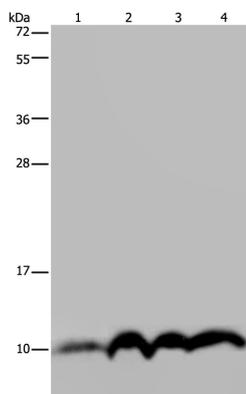
Properties

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	2.3 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

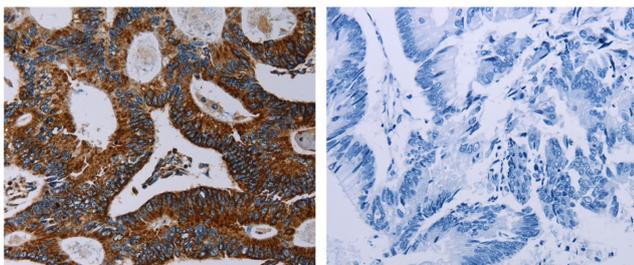
Database links	GeneID: 17992 Mouse GeneID: 4697 Human Swiss-port # O00483 Human Swiss-port # Q62425 Mouse
Gene Symbol	NDUFA4
Gene Full Name	NDUFA4, mitochondrial complex associated
Background	The protein encoded by this gene belongs to the complex I 9kDa subunit family. Mammalian complex I of mitochondrial respiratory chain is composed of 45 different subunits. 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.
Function	Cytochrome c oxidase (COX, complex IV) is the terminal component of the mitochondrial respiratory chain that catalyzes the reduction of oxygen to water. Required for complex IV maintenance. [UniProt]
Highlight	Related products: Anti-Rabbit IgG secondary antibodies; Related poster download: The Structure & Functions of Mitochondria.pdf
Research Area	Metabolism antibody; Signaling Transduction antibody
Calculated Mw	9 kDa

Images



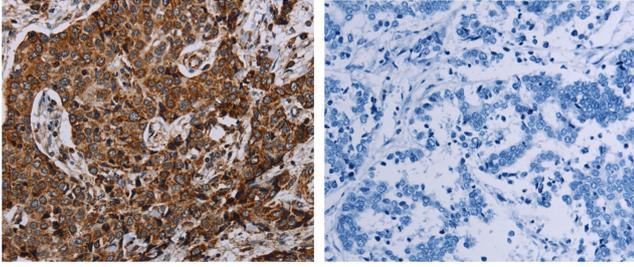
ARG65565 anti-NDUFA4 antibody WB image

Western blot: 40 µg of 1) SKOV3, 2) Human fetal liver tissue, 3) Human fetal brain tissue, and 4) HeLa lysates stained with ARG65565 anti-NDUFA4 antibody at 1:300 dilution. Exposure time: 20 seconds.



ARG65565 anti-NDUFA4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon cancer tissue stained with ARG65565 anti-NDUFA4 antibody (left) at 1:40 dilution, or the same antibody preincubated with synthetic peptide (right). (Original magnification: ×200).



ARG65565 anti-NDUFA4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon cancer tissue stained with ARG65565 anti-NDUFA4 antibody (left) at 1:40 dilution, or the same antibody preincubated with synthetic peptide (right). (Original magnification: $\times 200$).