

ARG65563 anti-NDUFA13 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NDUFA13
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NDUFA13
Species	Human
Immunogen	Fusion protein of human NDUFA13
Conjugation	Un-conjugated
Alternate Names	CI-B16.6; NADH-ubiquinone oxidoreductase B16.6 subunit; CGI-39; Gene associated with retinoic and interferon-induced mortality 19 protein; Cell death regulatory protein GRIM-19; Complex I-B16.6; NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 13; GRIM19; CDA016; B16.6; GRIM-19; Gene associated with retinoic and IFN-induced mortality 19 protein

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	Mouse spleen and skeletal muscle tissue, Human hepatocellular carcinoma, Mouse liver and Human placenta tissue, HeLa and 293T cell 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 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: 51079 Human](#)

[GeneID: 67184 Mouse](#)

[Swiss-port # Q9ERS2 Mouse](#)

[Swiss-port # Q9P0J0 Human](#)

Gene Symbol

NDUFA13

Gene Full Name

NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13

Background

This gene encodes a subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), which functions in the transfer of electrons from NADH to the respiratory chain. The protein is required for complex I assembly and electron transfer activity. The protein binds the signal transducers and activators of transcription 3 (STAT3) transcription factor, and can function as a tumor suppressor. The human protein purified from mitochondria migrates at approximately 16 kDa. Transcripts originating from an upstream promoter and capable of expressing a protein with a longer N-terminus have been found, but their biological validity has not been determined.

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. Involved in the interferon/all-trans-retinoic acid (IFN/RA) induced cell death. This apoptotic activity is inhibited by interaction with viral IRF1. Prevents the transactivation of STAT3 target genes. May play a role in CARD15-mediated innate mucosal responses and serve to regulate intestinal epithelial cell responses to microbes. [UniProt]

Highlight

Related products:

[Anti-Rabbit IgG secondary antibodies:](#)

Related poster download:

[The Structure & Functions of Mitochondria.pdf](#)

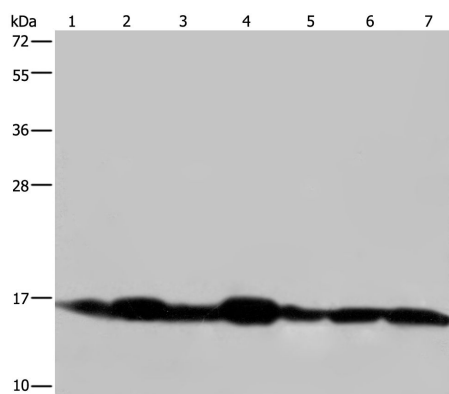
Research Area

Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody; Gene Regulation antibody; Metabolism antibody

Calculated Mw

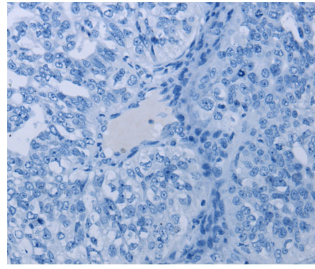
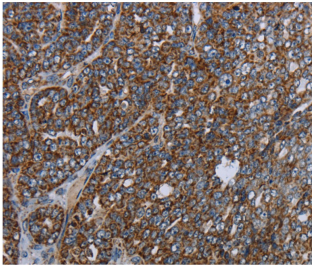
17 kDa

Images



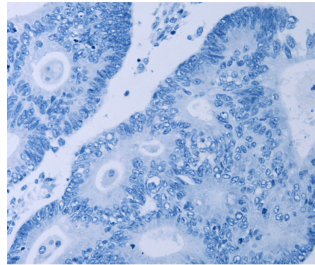
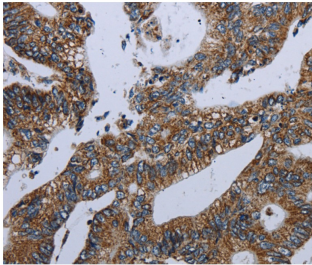
ARG65563 anti-NDUFA13 antibody WB image

Western blot: 40 µg of 1) Mouse spleen, 2) Mouse skeletal muscle, 3) Human hepatocellular carcinoma, 4) Mouse liver, 5) Human placenta, 6) HeLa, and 7) 293T lysates stained with ARG65563 anti-NDUFA13 antibody at 1:350 dilution. Exposure time: 30 seconds.



ARG65563 anti-NDUFA13 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human ovarian cancer tissue stained with ARG65563 anti-NDUFA13 antibody (left) at 1:40 dilution, or the same antibody preincubated with fusion protein (right). (Original magnification: X200).



ARG65563 anti-NDUFA13 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human ovarian cancer tissue stained with ARG65563 anti-NDUFA13 antibody (left) at 1:40 dilution, or the same antibody preincubated with fusion protein (right). (Original magnification: X200).
