ARG43964
anti-NDUFA13 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NDUFA13
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NDUFA13
Species	Human
Immunogen	Human NDUFA13 recombinant protein
Conjugation	Un-conjugated
Alternate Names	NDUFA13; NADH:Ubiquinone Oxidoreductase Subunit A13; GRIM-19 ; GRIM19; CGI-39; CDA016; B16.6; Gene Associated With Retinoic And Interferon-Induced Mortality 19 Protein; Gene Associated With Retinoic And IFN-Induced Mortality 19 Protein; NADH Dehydrogenase [Ubiquinone] 1 Alpha Subcomplex Subunit 13; NADH Dehydrogenase (Ubiquinone) 1 Alpha Subcomplex, 13; NADH-Ubiquinone Oxidoreductase B16.6 Subunit; Cell Death Regulatory Protein GRIM-19; Complex I B16.6 Subunit; Complex I-B16.6; CI-B16.6; Cell Death-Regulatory Protein GRIM19; MC1DN28

Application Instructions

Application table

Application	Dilution
ELISA	0.1-0.5 µg/ml
FACS	1-3 µg /1x10^6 cells
ICC/IF	5 µg/ml
IHC-P	2-5 µg/ml
WB	0.25-0.5 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

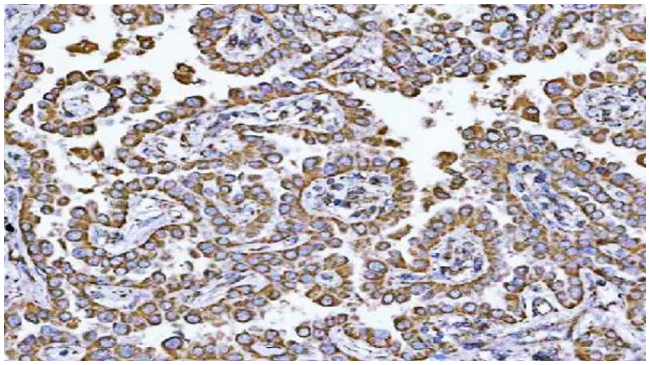
Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4 and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml

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

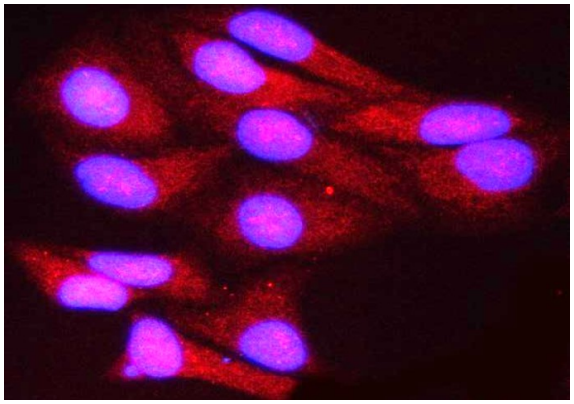
Gene Symbol	NDUFA13
Gene Full Name	NADH:Ubiquinone Oxidoreductase Subunit A13
Background	This gene encodes a subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), which functions in the transfer of electrons from NADH to the respiratory chain. The protein is required 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.
Calculated Mw	17 kDa
PTM	Acetylation
Cellular Localization	Membrane, Mitochondrion, Mitochondrion inner membrane, Nucleus

Images



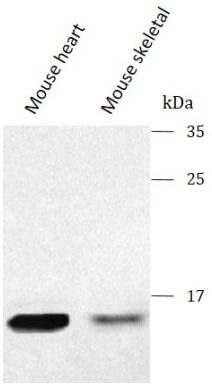
ARG43964 anti-NDUFA13 antibody IHC-P image

Immunohistochemistry: Human lung cancer stained with ARG43964 anti-NDUFA13 antibody at 2 µg/ml dilution.



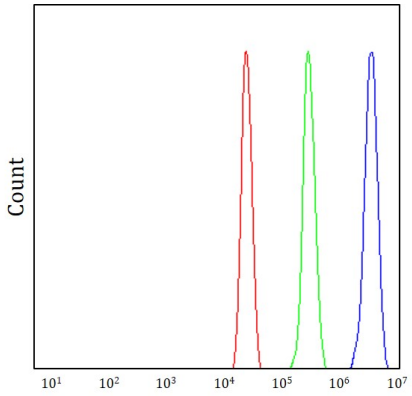
ARG43964 anti-NDUFA13 antibody ICC/IF image

Immunofluorescence: HeLa stained with ARG43964 anti-NDUFA13 antibody at 5 µg/ml dilution.



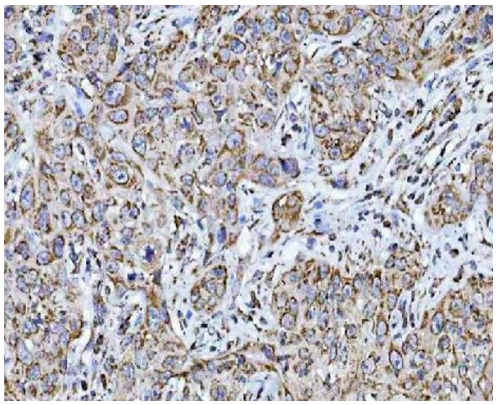
ARG43964 anti-NDUFA13 antibody WB image

Western blot: Rat heart and Rat skeletal muscle stained with ARG43964 anti-NDUFA13 antibody at 0.5 µg/mL dilution.



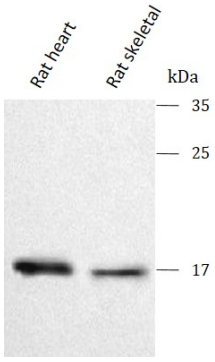
ARG43964 anti-NDUFA13 antibody FACS image

Flow Cytometry: U937 cells stained with ARG43964 anti-NDUFA13 antibody (blue) at 1 µg/1x10^6 cells dilution.



ARG43964 anti-NDUFA13 antibody IHC-P image

Immunohistochemistry: Human squamous cell carcinoma stained with ARG43964 anti-NDUFA13 antibody at 2 µg/ml dilution.



ARG43964 anti-NDUFA13 antibody WB image

Western blot: Mouse heart and Mouse skeletal muscle stained with ARG43964 anti-NDUFA13 antibody at 0.5 µg/mL dilution.