

## ARG45485 anti-NDUFB10 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes NDUFB10
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Specificity	NDUFB10
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NDUFB10
Species	Human
Immunogen	Recombinant protein containing to human NDUFB10.
Conjugation	Un-conjugated
Alternate Names	CI-PDSW; Complex I-PDSW; NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10; PDSW; NADH-ubiquinone oxidoreductase PDSW subunit

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 <sup>6</sup> cells
	ICC/IF	5 µg/ml
	IHC-P	2-5 µg/ml
	WB	0.1-0.25 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	22 kDa	

### Properties

Form	Powder
Purification	Affinity purified
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl 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

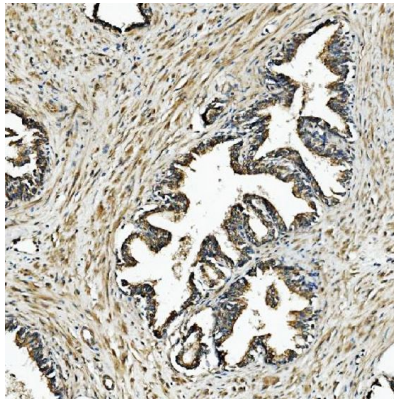
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

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

## Bioinformation

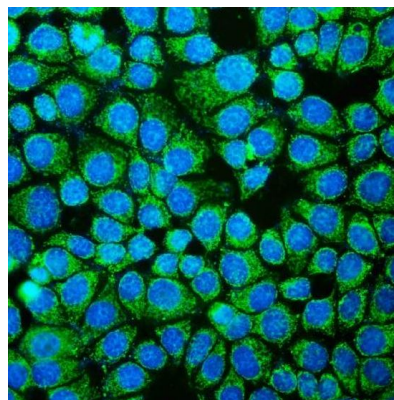
Gene Symbol	NDUFB10
Gene Full Name	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10, 22kDa
Background	Predicted to enable NADH dehydrogenase (ubiquinone) activity. Involved in mitochondrial respiratory chain complex I assembly. Located in mitochondrion. Part of mitochondrial inner membrane and respiratory chain complex I. Implicated in nuclear type mitochondrial complex I deficiency 35. [provided by Alliance of Genome Resources, Feb 2025]
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]
Calculated Mw	21 kDa
PTM	Phosphoprotein. [UniProt]
Cellular Localization	Mitochondrion; Mitochondrion inner membrane. [UniProt]

## Images



ARG45485 anti-NDUFB10 antibody IHC-P image

Immunohistochemistry: Human prostate cancer stained with ARG45485 anti-NDUFB10 antibody at 2 µg/ml dilution.



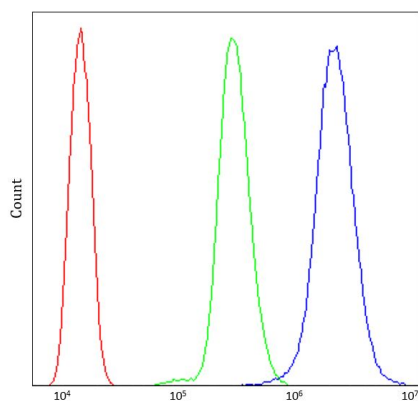
ARG45485 anti-NDUFB10 antibody ICC/IF image

Immunofluorescence: MCF-7 stained with ARG45485 anti-NDUFB10 antibody at 5 µg/ml dilution.



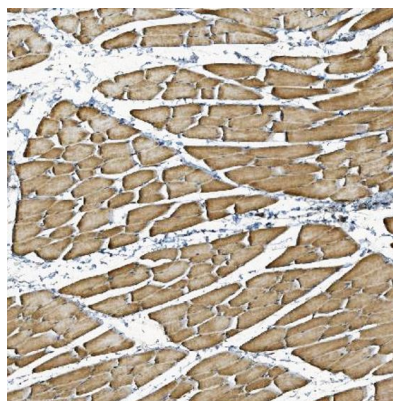
ARG45485 anti-NDUFB10 antibody WB image

Western blot: HL-60 stained with ARG45485 anti-NDUFB10 antibody at 0.25  $\mu\text{g}/\text{ml}$  dilution.



ARG45485 anti-NDUFB10 antibody FACS image

Flow Cytometry: HL-60 stained with ARG45485 anti-NDUFB10 antibody at 1  $\mu\text{g}/10^6$  cells dilution.



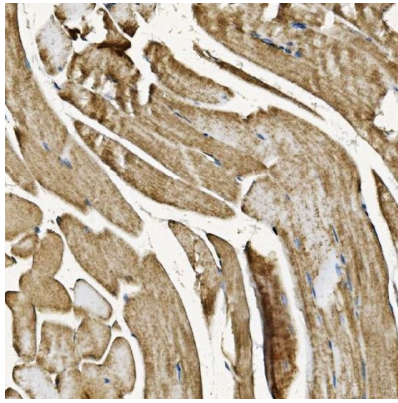
ARG45485 anti-NDUFB10 antibody IHC-P image

Immunohistochemistry: Rat skeletal muscle stained with ARG45485 anti-NDUFB10 antibody at 2  $\mu\text{g}/\text{ml}$  dilution.



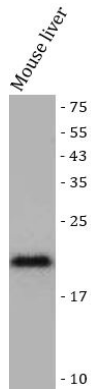
ARG45485 anti-NDUFB10 antibody WB image

Western blot: Rat liver stained with ARG45485 anti-NDUFB10 antibody at 0.25  $\mu\text{g}/\text{ml}$  dilution.



ARG45485 anti-NDUFB10 antibody IHC-P image

Immunohistochemistry: Mouse skeletal muscle stained with ARG45485 anti-NDUFB10 antibody at 2 µg/ml dilution.



ARG45485 anti-NDUFB10 antibody WB image

Western blot: Mouse liver stained with ARG45485 anti-NDUFB10 antibody at 0.25 µg/ml dilution.