

## ARG45205 anti-NDUFB5 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes NDUFB5
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	NDUFB5
Species	Human
Immunogen	Recombinant protein containing to human NDUFB5.
Conjugation	Un-conjugated
Alternate Names	NDUFB5; NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa; CI-SGDH; SGDH; NADH Dehydrogenase [Ubiquinone] 1 Beta Subcomplex Subunit 5, Mitochondrial; NADH Dehydrogenase (Ubiquinone) 1 Beta Subcomplex, 5, 16kDa; NADH-Ubiquinone Oxidoreductase SGDH Subunit; Complex I SGDH Subunit; Complex I-SGDH; MGC12314; NADH Dehydrogenase (Ubiquinone) 1 Beta Subcomplex, 5 (16kD, SGDH); CISGDH

### 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	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	22 kDa	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.01% Sodium azide and 4% Trehalose.
Preservative	0.01% Sodium azide
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.

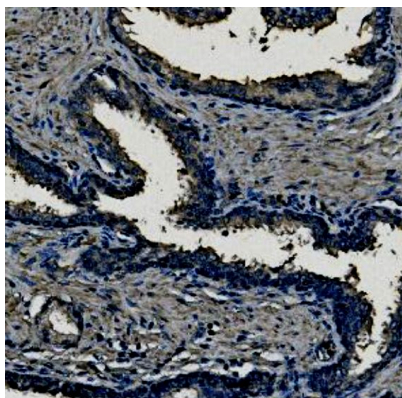
## Bioinformation

---

Gene Symbol	NDUFB5
Gene Full Name	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa
Background	The protein encoded by this gene is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). Mammalian complex I is composed of 45 different subunits. It locates at the mitochondrial inner membrane. 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. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2011]
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	22 kDa
Cellular Localization	Mitochondrion inner membrane. [UniProt]

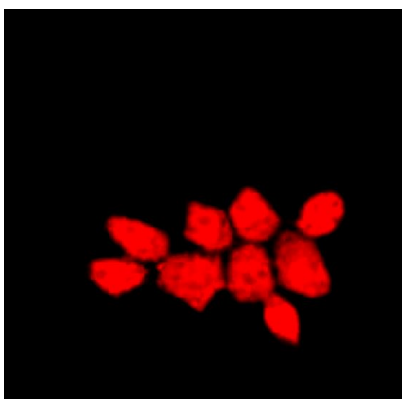
## Images

---



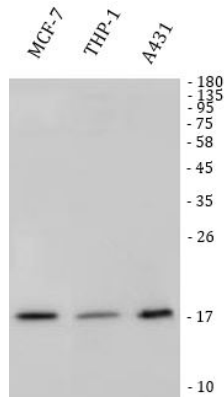
ARG45205 anti-NDUFB5 antibody IHC-P image

Immunohistochemistry: Human prostate cancer stained with ARG45205 anti-NDUFB5 antibody at 2 µg/ml dilution.



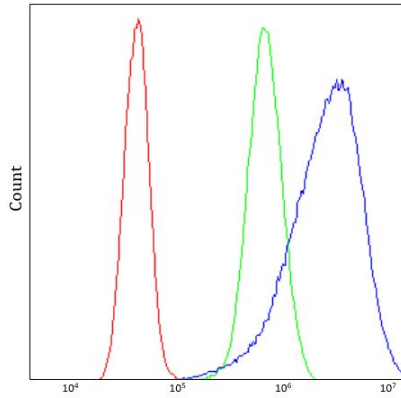
ARG45205 anti-NDUFB5 antibody ICC/IF image

Immunofluorescence: MCF-7 stained with ARG45205 anti-NDUFB5 antibody at 5 ug/ml dilution.



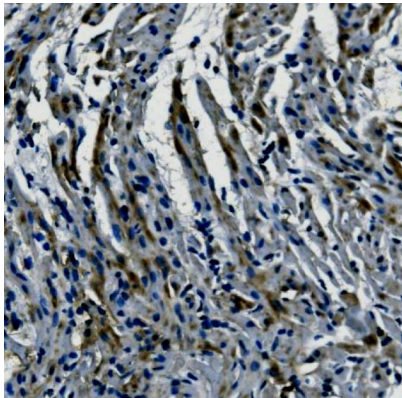
ARG45205 anti-NDUFB5 antibody WB image

Western blot: MCF-7, THP-1, and A431 stained with ARG45205 anti-NDUFB5 antibody at 0.5  $\mu\text{g}/\text{ml}$  dilution.



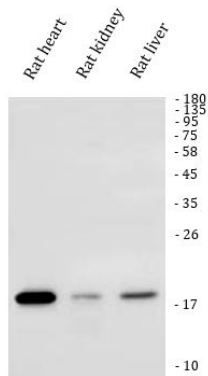
ARG45205 anti-NDUFB5 antibody FACS image

Flow Cytometry: A431 stained with ARG45205 anti-NDUFB5 antibody at 1  $\mu\text{g}/10^6$  cells dilution.



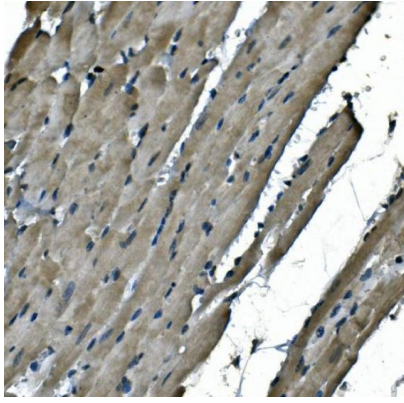
ARG45205 anti-NDUFB5 antibody IHC-P image

Immunohistochemistry: Rat cardiac muscle stained with ARG45205 anti-NDUFB5 antibody at 2  $\mu\text{g}/\text{ml}$  dilution.



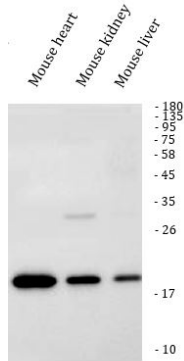
ARG45205 anti-NDUFB5 antibody WB image

Western blot: Rat heart, rat kidney, and rat liver stained with ARG45205 anti-NDUFB5 antibody at 0.5  $\mu\text{g}/\text{ml}$  dilution.



ARG45205 anti-NDUFB5 antibody IHC-P image

Immunohistochemistry: Mouse cardiac muscle stained with ARG45205 anti-NDUFB5 antibody at 2  $\mu\text{g}/\text{ml}$  dilution.



ARG45205 anti-NDUFB5 antibody WB image

Western blot: Mouse heart, mouse kidney, and mouse liver stained with ARG45205 anti-NDUFB5 antibody at 0.5  $\mu\text{g}/\text{ml}$  dilution.