

For Research Use Only

# NDUFA4L2 Monoclonal antibody

Catalog Number: 66050-1-Ig **2 Publications**



## Basic Information

<b>Catalog Number:</b> 66050-1-Ig	<b>GenBank Accession Number:</b> BC011910	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1200 ug/ml by Nanodrop and 1060 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 56901	<b>CloneNo.:</b> 1G1H10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9NRX3	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:200-1:1000 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG2a	<b>Full Name:</b> NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4-like 2	
<b>Immunogen Catalog Number:</b> AG9233	<b>Calculated MW:</b> 87 aa, 10 kDa	
	<b>Observed MW:</b> 10 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, ELISA

**Cited Applications:**  
WB, IHC

**Species Specificity:**  
human

**Cited Species:**  
human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB :** HeLa cells,

**IHC :** human breast cancer tissue, human renal cell carcinoma tissue

**IF/ICC :** HUVEC cells, OS-RC-2 cells, MCF-7 cells, HeLa cells

## Background Information

NDUFA4L2, also named as NUOMS, is a HIF-1 $\alpha$  target gene that localizes to the mitochondria. It downregulates oxygen consumption and Complex I activity in hypoxia. NDUFA4L2 is involved in hypoxic adaptation by decreasing mitochondrial ROS production.

## Notable Publications

Author	Pubmed ID	Journal	Application
Sen Qin	38407266	Elife	IHC
Jaclyn M Kubala	36722045	Cancer Biol Ther	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

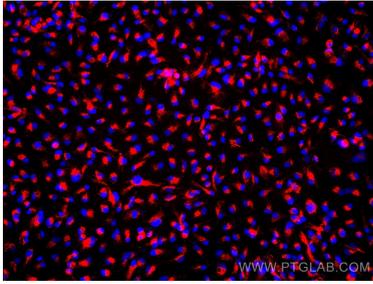
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

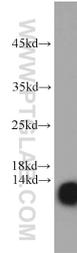
E: proteintech@ptglab.com  
W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

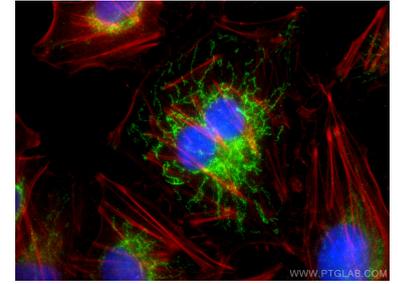
## Selected Validation Data



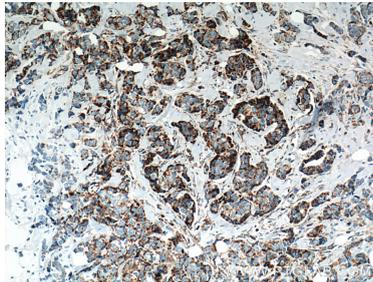
Immunofluorescent analysis of (4% PFA) fixed OS-RC-2 cells using NDUFA4L2 antibody (66050-1-Ig, Clone: 1G1H10) at dilution of 1:1200 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004).



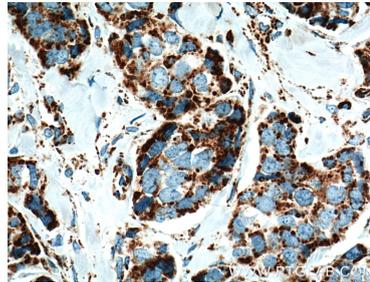
HeLa cells were subjected to SDS PAGE followed by western blot with 66050-1-Ig (NDUFA4L2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HUVEC cells using NDUFA4L2 antibody (66050-1-Ig, Clone: 1G1H10) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66050-1-Ig (NDUFA4L2 Antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66050-1-Ig (NDUFA4L2 Antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).