

For Research Use Only

# SDHA Monoclonal antibody

Catalog Number: 66588-1-Ig **5 Publications**



## Basic Information

<b>Catalog Number:</b> 66588-1-Ig	<b>GenBank Accession Number:</b> BC001380	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul, Concentration: 2100 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6389	<b>CloneNo.:</b> 5E10G12
<b>Source:</b> Mouse	<b>Full Name:</b> succinate dehydrogenase complex, subunit A, flavoprotein (Fp)	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:1000-1:4000 IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 73 kDa	
<b>Immunogen Catalog Number:</b> AG7023	<b>Observed MW:</b> 62-73 kDa	

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Cited Applications:

WB

### Species Specificity:

Human, Mouse, Rat, rabbit, pig

### Cited Species:

human, mouse

**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: NIH/3T3 cells, pig brain tissue, rat brain tissue, mouse brain tissue, rabbit brain tissue

IHC: human liver cancer tissue,

IF: HepG2 cells,

## Background Information

SDHA, also named as SDH2, SDHF and Fp, belongs to the FAD-dependent oxidoreductase 2 family and FRD/SDH subfamily. SDHA is the flavoprotein subunit of succinate dehydrogenase (SDH) that is involved in complex II of the mitochondrial electron transport chain and is responsible for transferring electrons from succinate to ubiquinone (coenzyme Q). SDHA has 3 isoforms with the molecular mass of 73, 67 and 57 kDa, and the N-terminal (~5 kDa) can be removed in mature form. It can be detected a band of 68 kDa in cutaneous melanoma (PMID:21698147). SDHA may act as a tumor suppressor.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jian Xiao	31144242	Sci China Life Sci	
Pengyu Wang	35905743	Cell Chem Biol	WB
Lin-Lin Zhou	37923710	Nat Commun	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

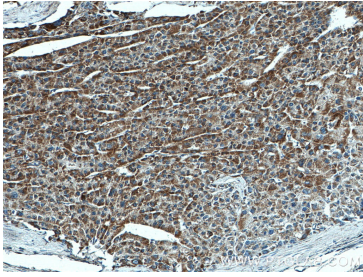
For technical support and original validation data for this product please contact:

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

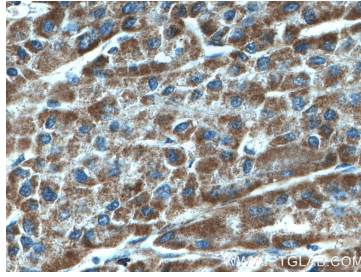
E: proteintech@ptglab.com  
W: ptglab.com

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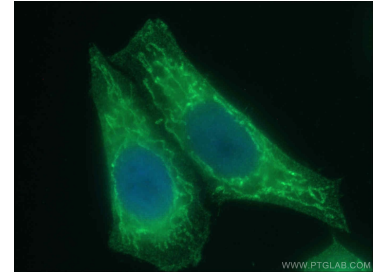
## Selected Validation Data



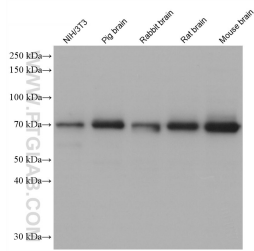
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66588-1-Ig (SDHA antibody) at dilution of 1:2000 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66588-1-Ig (SDHA antibody) at dilution of 1:2000 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 66588-1-Ig (SDHA antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 66588-1-Ig (SDHA antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.