SDHA Monoclonal antibody

Catalog Number:66588-1-Ig   **8 Publications**

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Basic Information

Catalog Number:
66588-1-Ig

Size:
150ul , Concentration: 2100 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG7023

GenBank Accession Number:
BC001380

GeneID (NCBI):
6389

UNIPROT ID:
P31040

Full Name:
succinate dehydrogenase complex, subunit A, flavoprotein (Fp)

Calculated MW:
73 kDa

Observed MW:
62-73 kDa

Purification Method:
Protein G purification

CloneNo.:
5E10G12

Recommended Dilutions:
WB: 1:5000-1:50000
IHC: 1:1000-1:4000
IF/ICC: 1:200-1:800

Applications

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

Cited Applications:
WB

Species Specificity:
human, mouse, rat, pig, rabbit

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/ICC : HeLa 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

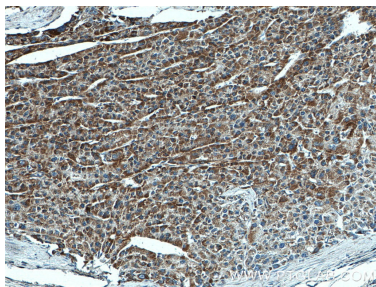| Author	Pubmed ID	Journal	Application
Jian Xiao	31144242	Sci China Life Sci	
Pengyu Wang	35905743	Cell Chem Biol	WB
Marian Grman	39849208	J Bioenerg Biomembr	

Storage

Storage:
Store at -20℃. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage
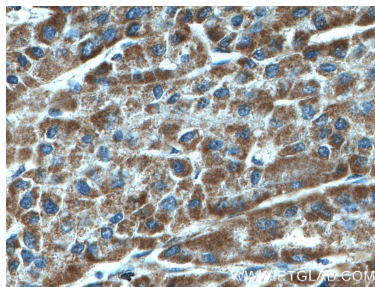
*** 20ul sizes contain 0.1% BSA

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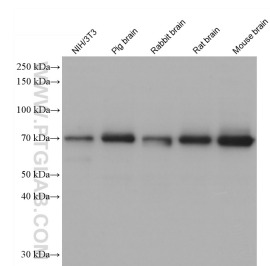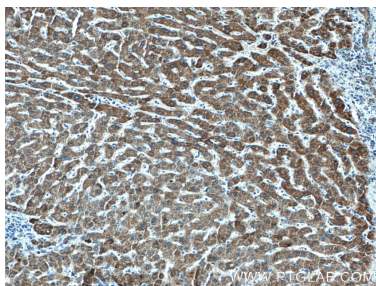

Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66588-1-Ig (SDHA antibody) at dilution of 1:2000 (under 40x lens).

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.

Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66588-1-Ig (SDHA antibody) at dilution of 1:2000 (under 10x lens).
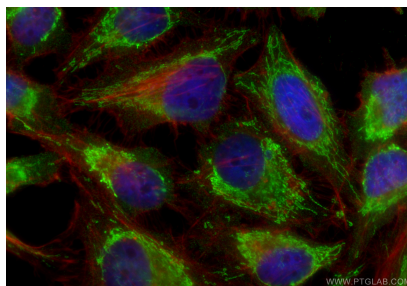
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using SDHA antibody (66588-1-Ig, Clone: 5E10G12) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).