

For Research Use Only

SDHC Polyclonal antibody

Catalog Number: 14575-1-AP

8 Publications



Basic Information

Catalog Number:

14575-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5775

GenBank Accession Number:

BC033626

GeneID (NCBI):

6391

UNIPROT ID:

Q99643

Full Name:

succinate dehydrogenase complex, subunit C, integral membrane protein, 15kDa

Calculated MW:

19 kDa

Observed MW:

15 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rabbit

Positive Controls:

WB : HepG2 cells, mouse brain tissue, mouse liver tissue, rat liver tissue, mouse heart tissue, mouse kidney tissue, mouse lung tissue

IHC : human breast cancer tissue,

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

Background Information

SDHC(Succinate dehydrogenase cytochrome b560 subunit, mitochondrial) is also named as CYB560, SDH3 and belongs to the cytochrome b560 family. It is involved in complex II of the mitochondrial electron transport chain and is responsible for transferring electrons from succinate to ubiquinone (coenzyme Q). Defects in SDHC are the cause of paragangliomas type 3 (PGL3) and paraganglioma and gastric stromal sarcoma (PGGSS). It has a transit peptide of 29 amino acid and has 5 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Johanna H K Kaupila	29860357	Nucleic Acids Res	WB
Xiao-Hui Wang	34103526	Nat Commun	WB
Tatsuya Yamada	35310936	iScience	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

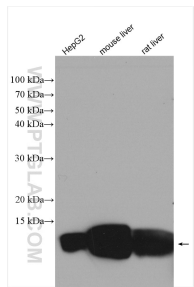
For technical support and original validation data for this product please contact:

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

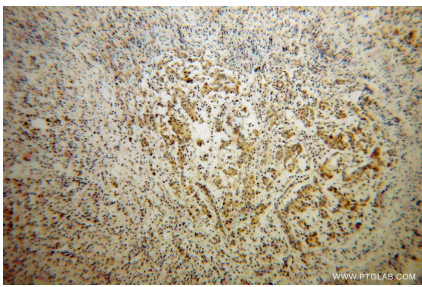
E: proteintech@ptglab.com
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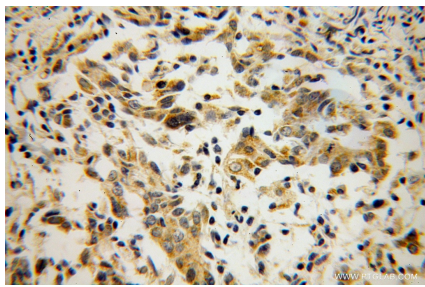
Selected Validation Data



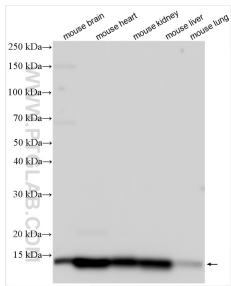
Various lysates were subjected to SDS PAGE followed by western blot with 14575-1-AP (SDHC antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 14575-1-AP (SDHC antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer using 14575-1-AP (SDHC antibody) at dilution of 1:100 (under 40x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 14575-1-AP (SDHC antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.