

For Research Use Only

SEPHS1 Polyclonal antibody

Catalog Number: 16635-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

16635-1-AP

Size:

700 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9978

GenBank Accession Number:

BC000941

GeneID (NCBI):

22929

UNIPROT ID:

P49903

Full Name:

selenophosphate synthetase 1

Calculated MW:

43 kDa

Observed MW:

43 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:12000

IHC 1:20-1:200

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

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 : Jurkat cells, HepG2 cells, mouse liver tissue, T-47D cells

IHC : human lung cancer tissue,

Background Information

Selenophosphate synthetase 1 (SEPHS1) has been implicated in the maintenance of redox homeostasis in chondrocytes and its deficiency plays a causal role in the progression of osteoarthritis (PMID: 36202216). SEPHS1 downregulation in human umbilical vein cells (HUVECs) led to cell death rather than the inhibition of cell proliferation (PMID: 33622411).

Notable Publications

Author	Pubmed ID	Journal	Application
Shu Yang	33622411	Exp Hematol Oncol	WB,IHC

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

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

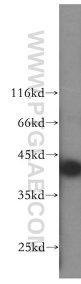
T: 4006900926

E: Proteintech-CN@ptglab.com

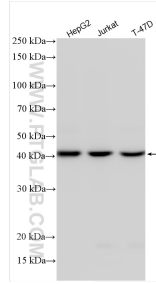
W: ptgcn.com

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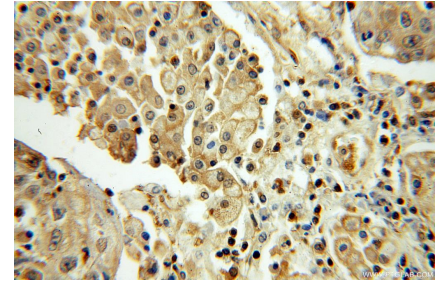
Selected Validation Data



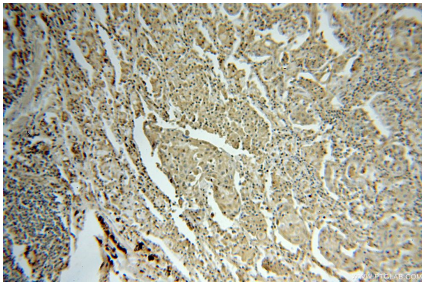
HepG2 cells were subjected to SDS PAGE followed by western blot with 16635-1-AP (SEPHS1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 16635-1-AP (SEPHS1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer using 16635-1-AP (SEPHS1 antibody) at dilution of 1:100 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human lung cancer using 16635-1-AP (SEPHS1 antibody) at dilution of 1:100 (under 10x lens).