

For Research Use Only

SEPHS1 Polyclonal antibody

Catalog Number: 16635-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number: 16635-1-AP	GenBank Accession Number: BC000941	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 200 µg/ml by Nanodrop and 187 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 22929	Recommended Dilutions: WB 1:2000-1:12000 IHC 1:20-1:200
Source: Rabbit	Full Name: selenophosphate synthetase 1	
Isotype: IgG	Calculated MW: 43 kDa	
Immunogen Catalog Number: AG9978	Observed MW: 43 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IHC, WB	WB : Jurkat cells, HepG2 cells, mouse liver tissue, T-47D cells
Species Specificity: human, mouse, rat	IHC : human lung cancer tissue,
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	

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

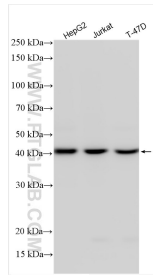
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

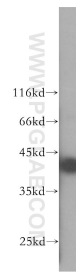
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

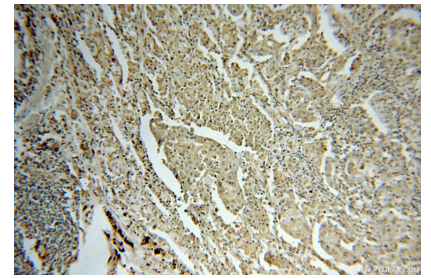
Selected Validation Data



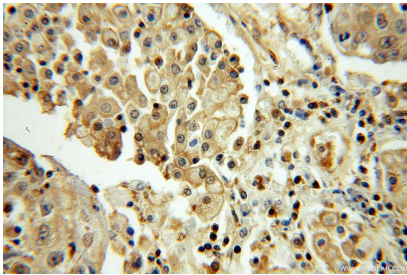
Various lysates were subjected to SDS PAGE followed by western blot with 16635-1-AP (SEPHS1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



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.



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



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