

For Research Use Only

# SEPHS2 Recombinant antibody

Catalog Number: 86443-1-RR



## Basic Information

Catalog Number:	86443-1-RR	GenBank Accession Number:	BC016643	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenelD (NCBI):	22928	CloneNo.:	251213A8
Source:	Rabbit	UNIPROT ID:	Q99611	Recommended Dilutions:	WB: 1:1000-1:6000
Isotype:	IgG	Full Name:	selenophosphate synthetase 2		
Immunogen Catalog Number:	AG5255	Calculated MW:	47 kDa		
		Observed MW:	47-50 kDa		

## Applications

Tested Applications:	WB, ELISA	Positive Controls:	WB: NCI-H1299 cells, mouse heart tissue, rat heart tissue
Species Specificity:	human, mouse, rat		

## Background Information

SEPHS2 (Selenophosphate synthetase 2), a selenophosphate synthetase, catalyzes the conversion of selenite and adenosine triphosphate (ATP) into selenophosphate. SEPHS2 is the rate-limiting enzyme that converts selenite to selenocysteine, a key substance in the synthesis of many selenium proteins such as glutathione peroxidase, thioredoxin reductase, and formate dehydrogenase (PMID: 40750759, 31695102).

## Storage

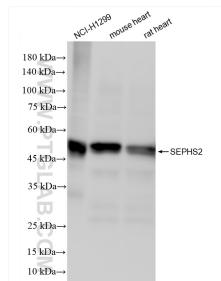
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

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 86443-1-RR (SEPHS2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.