



Rabbit Anti-SEPHS1 antibody

SL19627R

Product Name:	SEPHS1
Chinese Name:	硒磷酸化物合成酶1抗体
Alias:	MGC4980; SELD; SPS1_HUMAN; Selenide, water dikinase 1; Selenium donor protein 1; Selenophosphate synthetase 1; SEPHS1; SPS; SPS1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	43kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SEPHS1:2-100/392
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes an enzyme that synthesizes selenophosphate from selenide and ATP. Selenophosphate is the selenium donor used to synthesize selenocysteine, which is co-translationally incorporated into selenoproteins at in-frame UGA codons. [provided by RefSeq, Sep 2010] Function:

Synthesizes selenophosphate from selenide and ATP.

Subunit:

Homodimer (isoform 1, isoform 2, isoform 3 and isoform 4). Heterodimer of isoform 1 and isoform 3. Heterodimer of isoform 2 and isoform 4.

Tissue Specificity:

Isoform 1 and isoform 2 are gradually expressed during the cell cycle until G2/M phase and then decreased. Isoform 3 is gradually expressed during the cell cycle until S phase and then decreased.

Similarity:

Belongs to the selenophosphate synthase 1 family. Class II subfamily.

SWISS:

P49903

Gene ID:

22929

Database links:

[Entrez Gene: 22929](#) Human

[Entrez Gene: 426612](#) Chicken

[Entrez Gene: 507470](#) Cow

[Entrez Gene: 477999](#) Dog

[Entrez Gene: 109079](#) Mouse

[Entrez Gene: 291314](#) Rat

[Entrez Gene: 379650](#) Xenopus laevis

[Entrez Gene: 448749](#) Xenopus tropicalis

[Entrez Gene: 324947](#) Zebrafish

[Omim: 600902](#) Human

[SwissProt: Q0VC82](#) Cow

[SwissProt: P49903](#) Human

[SwissProt: Q8BH69](#) Mouse

[SwissProt: Q6PF47](#) Xenopus laevis

[SwissProt: Q6GL12](#) Xenopus tropicalis

[SwissProt: Q7ZW38](#) Zebrafish

[Unigene: 124027](#) Human

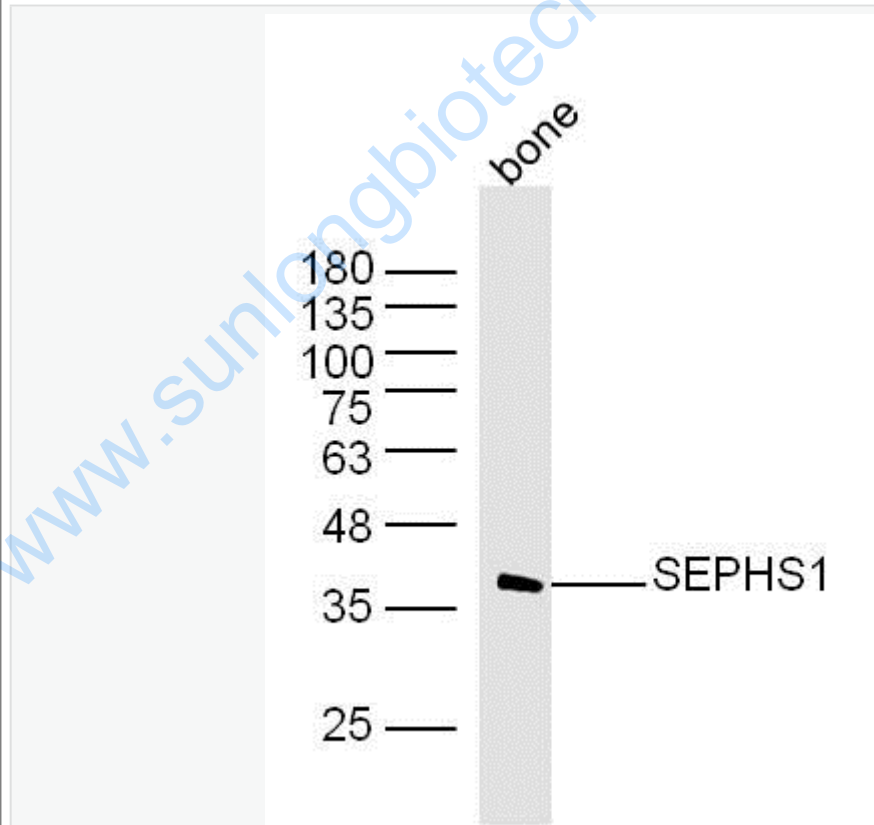
[Unigene: 34329](#) Mouse

[Unigene: 100803](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Protein: bone(mouse) lysate at 40ug;

Primary: rabbit Anti-SEPHS1(SL19627R) at 1:300;

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

	<p>Predicted band size: 43 kD</p>
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	<p>Observed band size: 36 kD</p>
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