

**SEPHS1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP2787c****Specification**

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**SEPHS1 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P49903](#)**SEPHS1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 22929**Other Names**

Selenide, water dikinase 1, Selenium donor protein 1, Selenophosphate synthase 1, SEPHS1, SELD, SPS, SPS1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP2787c](/products/AP2787c) was selected from the Center region of human SEPHS1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**SEPHS1 Antibody (Center) Blocking Peptide - Protein Information****Name** SEPHS1**Synonyms** SELD, SPS, SPS1**Function**

Synthesizes selenophosphate from selenide and ATP.

**Cellular Location**

[Isoform 1]: Cell membrane; Peripheral membrane protein. Nucleus membrane; Peripheral membrane protein [Isoform 3]: Cytoplasm

**Tissue Location**

[Isoform 1]: Gradually expressed during the cell cycle until G2/M phase and then decreases  
[Isoform 3]: Gradually expressed during the cell cycle until S phase and then decreases.

## **SEPHS1 Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

## **SEPHS1 Antibody (Center) Blocking Peptide - Images**

## **SEPHS1 Antibody (Center) Blocking Peptide - Background**

SEPHS1 is 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.

## **SEPHS1 Antibody (Center) Blocking Peptide - References**

Chung,H.J., J. Cell. Physiol. 209 (1), 131-141 (2006)Tamura,T., Proc. Natl. Acad. Sci. U.S.A. 101 (46), 16162-16167 (2004)Low,S.C., J. Biol. Chem. 270 (37), 21659-21664 (1995)