

SEPHS1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP2787b**Specification**

SEPHS1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P49903](#)**SEPHS1 Antibody (C-term) 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 [AP2787b](/products/AP2787b) was selected from the C-term 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 (C-term) 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 (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SEPHS1 Antibody (C-term) Blocking Peptide - Images

SEPHS1 Antibody (C-term) 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 (C-term) 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)