10320 Camino Santa Fe, Suite G
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SEPHS1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57603

Specification

SEPHS1 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, ICC, E**
Primary Accession	P49903
Reactivity	**Rat, Pig, Dog, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**43 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human SEPHS1**
Epitope Specificity	**2-100/392**
Isotype	**IgG**

Purity
affinity purified by Protein A

Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SIMILARITY	**Belongs to the selenophosphate synthase 1 family. Class II subfamily.**
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.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
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]

SEPHS1 Polyclonal Antibody - Additional Information

Gene ID 22929

Other Names
Selenide, water dikinase 1, 2.7.9.3, Selenium donor protein 1, Selenophosphate synthase 1, SEPHS1, SELD, SPS, SPS1

Target/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.

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. 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 ℃.

SEPHS1 Polyclonal Antibody - 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 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SEPHS1 Polyclonal Antibody - Images

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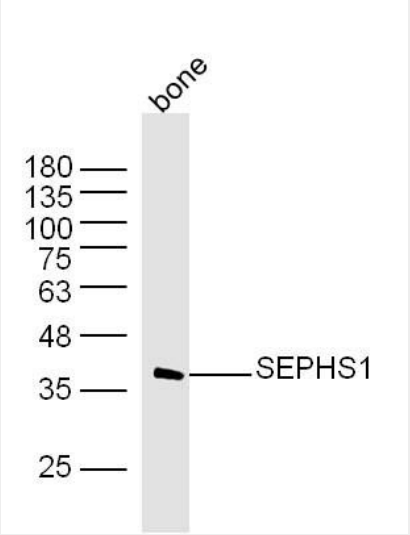

Protein: bone(mouse) lysate at 40ug;
Primary: rabbit Anti-SEPHS1(bs-19627R) at 1:300;
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 43 kD
Observed band size: 36 kD