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SEPSH2 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7188b

Specification

SEPSH2 Antibody (Center) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q99611
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**47305**
Antigen Region	**171-201**

SEPSH2 Antibody (Center) - Additional Information

Gene ID 22928

Other Names
Selenide, water dikinase 2, Selenium donor protein 2, Selenophosphate synthase 2, SEPHS2, SPS2

Target/Specificity
This SEPSH2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 171-201 amino acids from the Central region of human SEPSH2.

Dilution
WB~~1:1000
IHC-P~~1:50~100

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SEPSH2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

SEPSH2 Antibody (Center) - Protein Information

Name SEPHS2

Synonyms SPS2

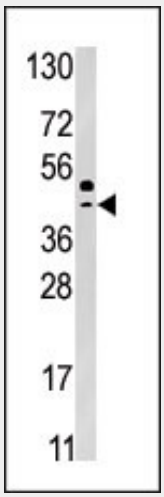
Function Synthesizes selenophosphate from selenide and ATP.

SEPSH2 Antibody (Center) - Protocols

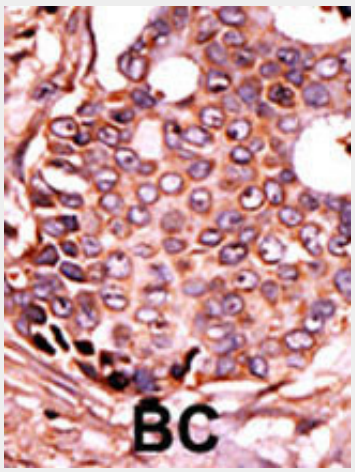
Provided below are standard protocols that you may find useful for product applications.

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

SEPSH2 Antibody (Center) - Images



Western blot analysis of anti-SEPSH2 Pab(Cat. #AP7188b) in HepG2 cell line lysate (35ug/lane). SEPSH2(arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been

evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

SEPSH2 Antibody (Center) - Background

This protein 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. This protein itself contains a selenocysteine residue in its predicted active site. The 3' UTR of the gene has a stem-loop secondary structure called a selenocysteine insertion sequence (SECIS) element, which allows UGA to direct the incorporation of selenocysteine rather than signal a translational stop.

SEPSH2 Antibody (Center) - References

Tamura, T., et al., Proc. Natl. Acad. Sci. U.S.A. 101(46):16162-16167 (2004).
Lescure, A., et al., J. Biol. Chem. 274(53):38147-38154 (1999).
Guimaraes, M.J., et al., Proc. Natl. Acad. Sci. U.S.A. 93(26):15086-15091 (1996).
Guimaraes, M.J., et al., Development 121(10):3335-3346 (1995).