Rabbit anti-Human SEPSH2 Polyclonal Antibody | anti-SEPHS2 antibody

SEPSH2 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289015	**Rabbit**	**Human**	**Immunohistochemistry, ELISA, Western Blot**

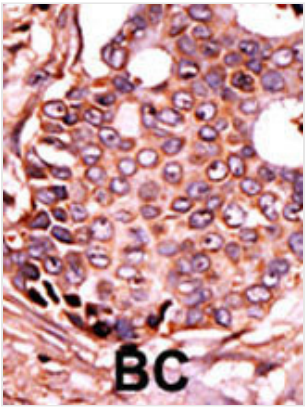
PRODUCT SYNONYMS

SEPSH2; Polyclonal Antibody; SEPSH2 Antibody (Center); Selenide; water dikinase 2; Selenium donor protein 2; Selenophosphate synthase 2; SEPHS2; SPS2; anti-SEPHS2 antibody

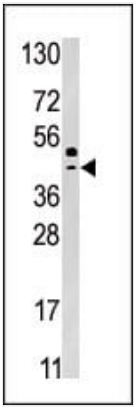
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
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.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	171-201
Sequence Length	448
Applicable Applications for anti-SEPHS2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
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.



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

ADDITIONAL INFORMATION

Related Product Information for anti-SEPHS2 antibody	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.
Product Categories/Family for anti-SEPHS2 antibody	Cell Biology
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).

NCBI AND UNIPROT INFORMATION

NCBI GI #	15011844
NCBI GeneID	22928
NCBI Accession #	NP_036380.2
NCBI GenBank Nucleotide #	NM_012248.3
UniProt Accession #	Q99611; Q9BUQ2
Molecular Weight	47305
NCBI Official Full Name	selenide, water dikinase 2
NCBI Official Synonym Full Names	selenophosphate synthetase 2
NCBI Official Symbol	SEPHS2
NCBI Official Synonym Symbols	SPS2; SPS2b
NCBI Protein Information	selenide, water dikinase 2
UniProt Protein Name	Selenide, water dikinase 2
UniProt Gene Name	**SEPHS2**

UniProt Synonym Gene Names	SPS2
UniProt Entry Name	SPS2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/polyclonal/sepsh2-antibody-immunohistochemistry-western-blot-elisa/289015