



Anti-SEPHS1 (aa 1-96) polyclonal antibody (DPAB-DC1015)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	SEPHS1 (NP_036379, 1 a.a. ~ 96 a.a) partial recombinant protein with GST tag. The sequence is MSTRESFNPESEYELDKSFRLTRFTELKGTGCKVPQDVLQKLLESLQENHFQEDEQFLGAV MPRLGIGMDTCVIPLRHGGLSLVQTTDIYPIVDDP
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [SEPHS1 selenophosphate synthetase 1 \[Homo sapiens \(human\) \]](#)

Official Symbol	SEPHS1
Synonyms	SEPHS1; selenophosphate synthetase 1; SPS; SELD; SPS1; selenide, water dikinase 1; selenium donor protein 1; selenophosphate synthase 1; selenophosphate synthetase 1 +E9; selenophosphate synthetase 1 +E9a; selenophosphate synthetase 1 major; selenophosphate synthetase 1 delta E2; selenophosphate synthetase 1 delta E8;
Entrez Gene ID	22929
Protein Refseq	NP_001182531
UniProt ID	P49903
Chromosome Location	10p14
Pathway	Selenocompound metabolism;
Function	ATP binding; GTP binding; protein binding; protein heterodimerization activity