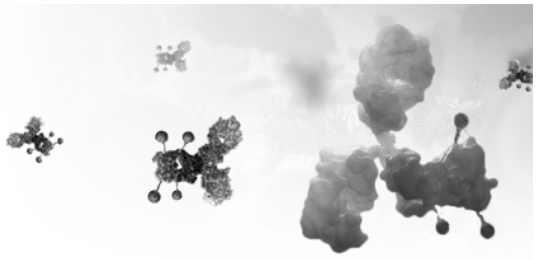

Anti-SEPHS2 (full length) polyclonal antibody (DPAB-DC889)

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 (Sec) that is co-translationally incorporated into selenoproteins at in-frame UGA codons, which normally signal translation termination. This protein itself contains a Sec residue in its predicted active site. The 3 UTR of this gene has a stem-loop secondary structure called a selenocysteine insertion sequence (SECIS) element, which is necessary for the recognition of UGA as a Sec codon rather than as a stop signal.
Specificity	This antibody reacts with mouse SPS2 and shows partial cross-reactivity with SPS1.
Immunogen	Recombinant protein corresponding to full length mouse Sephs2.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Conjugate	Unconjugated
Applications	WB, IP, ELISA,
Format	Liquid
Size	100 µg
Buffer	In 20 mM KH2PO4, 150 mM NaCl, pH 7.2 (0.01% sodium azide)
Preservative	0.01% Sodium Azide
Storage	Store at 4°C. For long term storage store at -20°C.Aliquot to avoid repeated freezing and

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thawing.

GENE INFORMATION

Gene Name	Sephs2 selenophosphate synthetase 2 [Mus musculus (house mouse)]
Official Symbol	SEPHS2
Synonyms	SEPHS2; selenophosphate synthetase 2; Sps2; Ysg3; selenide, water dikinase 2; clone 1000; the SelD gene product; selenium donor protein 2; selenophosphate synthase 2;
Entrez Gene ID	20768
Protein Refseq	NP_033292
UniProt ID	P97364
Chromosome Location	7 F3; 7 69.43 cM
Pathway	Selenium metabolism/Selenoproteins; Selenocompound metabolism;
Function	ATP binding; catalytic activity; kinase activity; nucleotide binding

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