

DNAxPAb

Hard-to-Find
Antibody

SEPHS2 DNAxPab

Catalog # H00022928-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human SEPHS2 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MAEASATGACGEAMAAAEGSSGPAGLTlGRSFSNYRPFEPQALGLSPSWRLTGFSGMKG
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)
[Protocol Download](#)
- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — SEPHS2

Entrez GeneID [22928](#)

GeneBank Accession# [NM_012248.2](#)

Protein Accession# [NP_036380.2](#)

Gene Name SEPHS2

Gene Alias SPS2

Gene Description selenophosphate synthetase 2

Omim ID [606218](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. 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. Alternatively spliced transcripts have been identified, but their biological validity has not been determined. [provided by RefSeq]

Other Designations OTTHUMP00000045871|selenide,water dikinase 2|selenium donor protein 2|selenophosphate synthase

Pathway

- [Metabolic pathways](#)
- [Selenoamino acid metabolism](#)