

Datasheet for ABIN1538142

**anti-Selenoprotein P antibody (AA 233-262)**[Go to Product page](#)**2** Images

## Overview

Quantity:	400 µL
Target:	Selenoprotein P (SEPP1)
Binding Specificity:	AA 233-262
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Selenoprotein P antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

## Product Details

Immunogen:	This SEPP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 233-262 amino acids from the Central region of human SEPP1.
Clone:	RB36702
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	Selenoprotein P (SEPP1)
Alternative Name:	SEPP1 ( <a href="#">SEPP1 Products</a> )
Background:	This gene encodes a selenoprotein containing multiple selenocysteine (Sec) residues, which are

## Target Details

encoded by the UGA codon that normally signals translation termination. The 3' UTR of selenoprotein genes have a common stem-loop structure, the sec insertion sequence (SECIS), which is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. This selenoprotein is an extracellular glycoprotein, and is unusual in that it contains 10 Sec residues per polypeptide. It is a heparin-binding protein that appears to be associated with endothelial cells, and has been implicated to function as an antioxidant in the extracellular space. Several transcript variants, encoding either the same or different isoform, have been found for this gene.

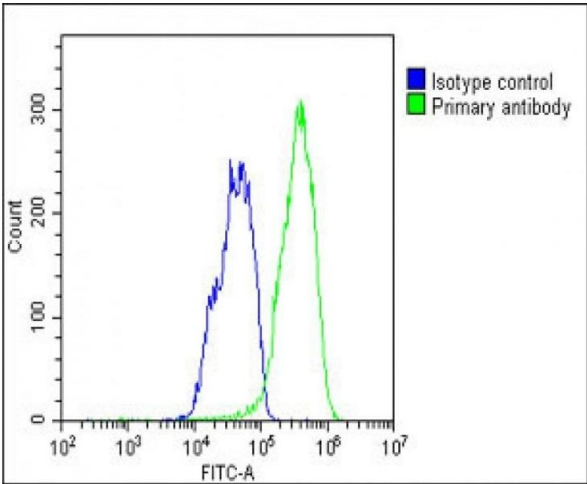
Molecular Weight:	43174
Gene ID:	6414
NCBI Accession:	<a href="#">NP_001078955</a> , <a href="#">NP_005401</a>
UniProt:	<a href="#">P49908</a>

## Application Details

Application Notes:	WB: 1:2000. FC: 1:25
Restrictions:	For Research Use only

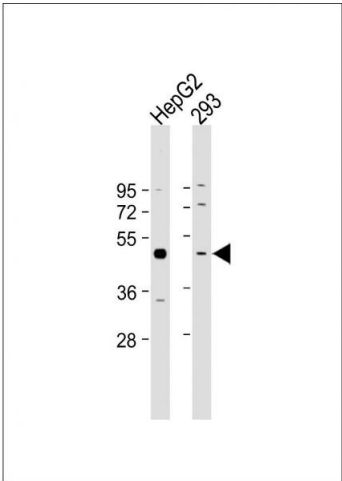
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	SEPP1 Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.
Expiry Date:	6 months



### Flow Cytometry

**Image 1.** Overlay histogram showing HepG2 cells stained with (ABIN1538142 and ABIN2848639) (green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN1538142 and ABIN2848639), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1  $\mu$ g/ $1 \times 10^6$  cells) used under the same conditions. Acquisition of >10,000 events was performed.



### Western Blotting

**Image 2.** All lanes : Anti-SE Antibody (Center) at 1:2000 dilution Lane 1: HepG2 whole cell lysate Lane 2: 293 whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 43 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.