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Datasheet for ABIN2774140

anti-Selenoprotein P antibody (N-Term)

1 Image

Overview

Quantity:	100 µL
Target:	Selenoprotein P (SEPP1)
Binding Specificity:	N-Term
Reactivity:	Human, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Selenoprotein P antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human SEPP1
Sequence:	LGLALALCLL PSGGTESQDQ SSLCKQPPAW SIRDQDPLMN SNGSVTVVAL
Predicted Reactivity:	Horse: 85%, Human: 100%
Characteristics:	This is a rabbit polyclonal antibody against SEPP1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Selenoprotein P (SEPP1)
Alternative Name:	SEPP1 (SEPP1 Products)

Target Details

Background: SEPP1 is a selenoprotein containing multiple selenocysteine (Sec) residues, which are 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. This gene encodes a selenoprotein containing multiple selenocysteine (Sec) residues, which are 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.

Alias Symbols: SELP, SeP

Protein Interaction Partner: EP300, MEOX2, THRA, EGFR,

Protein Size: 411

Molecular Weight: 46 kDa

Gene ID: 6414

NCBI Accession: [NM_001093726](#), [NP_001087195](#)

UniProt: [P49908](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 411 AA

Restrictions: For Research Use only

Handling

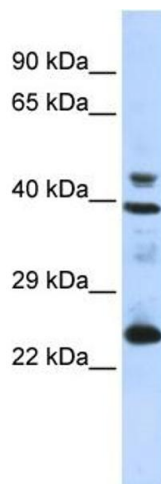
Format: Liquid

Concentration: Lot specific

Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-SEPP1 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:312500

Positive Control: 293T cell lysate