Datasheet for ABIN7270197

anti-Selenoprotein S antibody (AA 50-150)

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Overview

Quantity:	100 µL
Target:	Selenoprotein S (SELS)
Binding Specificity:	AA 50-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Selenoprotein S antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	VIMP Rabbit pAb
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 50-150 of human VIMP (NP_982298.2).
Sequence:	KLSARLRALR QRQLDRAAAA VEPDVVVKRQ EALAAARLKM QEELNAQVEK HKEKLKQLEE EKRRQKIEMW DSMQEGKSYK GNAKKPQEED SPGPSTSSVL K
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Selenoprotein S (SELS)
Alternative Name:	SELENOS (SELS Products)
Background:	This gene encodes a transmembrane protein that is localized in the endoplasmic reticulum (ER). It is involved in the degradation process of misfolded proteins in the ER, and may also have a role in inflammation control. This protein is a selenoprotein, containing the rare amino acid selenocysteine (Sec). Sec is encoded by the UGA codon, which normally signals translation termination. The 3' UTRs of selenoprotein mRNAs contain a conserved stem-loop structure, designated the Sec insertion sequence (SECIS) element, that is necessary for the recognition of UGA as a Sec codon, rather than as a stop signal. Two additional phylogenetically conserved stem-loop structures (Stem-loop 1 and Stem-loop 2) in the 3' UTR have been shown to function as modulators of Sec insertion in this protein (PMID:23614019). An alternatively spliced transcript variant, lacking the SECIS element and encoding a non-Sec containing shorter isoform, has been described for this gene.,SELENOS,AD-015,ADO15,SBBI8,SELS,SEPS1,VIMP,Signal Transduction,Immunology & Inflammation,Cell Intrinsic Innate Immunity Signaling Pathway,SELENOS
Molecular Weight:	21kDa
Gene ID:	55829
UniProt:	Q9BQE4
Pathways:	Cellular Response to Molecule of Bacterial Origin, ER-Nucleus Signaling, Regulation of Carbohydrate Metabolic Process, Cell RedoxHomeostasis, Negative Regulation of intrinsic apoptotic Signaling, SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.