Datasheet for ABIN2783218

anti-Selenoprotein S antibody (Middle Region)

1 Image | 3 Publications

Go to Product page

Overview

Quantity:	100 µL
Target:	Selenoprotein S (SELS)
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Dog, Rabbit, Cow, Saccharomyces cerevisiae, Goat, Zebrafish (Danio rerio), Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Selenoprotein S antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human SELS
Sequence:	PDVVVKRQEA LAAARLKMQE ELNAQVEKHK EKLKQLEEEK RRQKIEMWDS
Predicted Reactivity:	Cow: 93%, Dog: 86%, Goat: 75%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 93%, Rabbit: 92%, Rat: 93%, Yeast: 90%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against SELS. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Selenoprotein S (SELS)

Target Details

Alternative Name:	SELS (SELS Products)
Background:	SELS is a selenoprotein, which contains a selenocysteine (Sec) residue at its active site. The selenocysteine is 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), that is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. Studies suggest that this protein may regulate cytokine production, and thus play a key role in the control of the inflammatory response.This gene encodes a selenoprotein, which contains a selenocysteine (Sec) residue at its active site. The selenocysteine is 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), that is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. Studies suggest that this protein may regulate cytokine production, and thus play a key role in the control of the inflammatory response. Two alternatively spliced transcript variants encoding the same protein have been found for this gene. Alias Symbols: AD-015, ADO15, MGC104346, MGC2553, SBBI8, SEPS1, VIMP, SELS Protein Interaction Partner: UBC, SRPK2, PTGS2, CAV1, DERL2, APOB, DERL1, VCP, KPNB1, AMFR, SYVN1, HERPUD1, SAA1, SVIP, NPLOC4, UFD1L, HSPA4, Protein Size: 189
Molecular Weight:	21 kDa
Gene ID:	55829
NCBI Accession:	NM_018445, NP_060915
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:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 189 AA
Restrictions:	For Research Use only

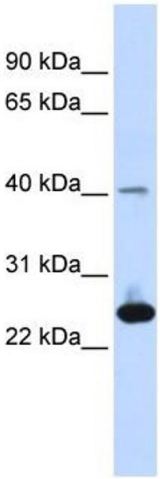
Handling

Format:	Liquid
Concentration:	Lot specific
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.

Publications

Product cited in:	Hamada, Tashiro, Tada, Inazawa, Shirozu, Shibahara, Nakamura, Martina, Nakano, Honjo: " Isolation and characterization of a novel secretory protein, stromal cell-derived factor-2 (SDF-2) using the signal sequence trap method." in: **Gene**, Vol. 176, Issue 1-2, pp. 211-4, (1997) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-SELS Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Muscle