

Datasheet for ABIN1537342
anti-SEPSECS antibody (C-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	400 µL
Target:	SEPSECS
Binding Specificity:	AA 444-474, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SEPSECS antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This SEPSECS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 444-474 amino acids from the C-terminal region of human SEPSECS.
Clone:	RB38450
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	SEPSECS
Alternative Name:	SEPSECS (SEPSECS Products)
Target Type:	Antibody

Target Details

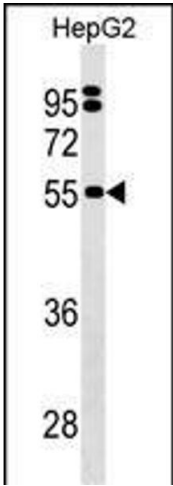
Background:	The 21st amino acid, selenocysteine (sec), is distinct from other amino acids because it lacks its own tRNA synthetase and is the only amino acid synthesized on its cognate tRNA. Synthesis of sec begins with acylation of tRNA(sec) (TRSP, MIM 165060) by seryl-tRNA synthetase (SARS, MIM 607529) to give ser-tRNA(sec), which is subsequently phosphorylated by O-phosphoseryl-tRNA kinase (PSTK, MIM 611310) to give O-phosphoseryl-tRNA(sec). SEPSECS catalyzes the final step of sec synthesis by converting O-phosphoseryl-tRNA(sec) to selenocysteinyl-tRNA(sec) using selenophosphate as the selenium donor (Palioura et al., 2009 [PubMed 19608919]).
Molecular Weight:	55726
Gene ID:	51091
NCBI Accession:	NP_058651
UniProt:	Q9HD40
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	WB: 1:1000
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:	SEPSECS Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.
Expiry Date:	6 months



Western Blotting

Image 1. SEPSECS Antibody (C-term) (ABIN1537342 and ABIN2849889) western blot analysis in HepG2 cell line lysates (35 µg/lane). This demonstrates the SEPSECS Antibody detected the SEPSECS protein (arrow).