

SEPSECS Antibody (C-term)

Catalog_no :	AB1779
Applications :	WB
Reactivity :	H
Category :	抗原抗体
Size :	100 μ L/50 μ L
Immunogen :	HUMAN:444-474
Specificity :	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.
Dilution :	WB,1:1000;
Purification :	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Other_name :	O-phosphoseryl-tRNA(Sec) selenium transferase, Liver-pancreas antigen, LP, SLA-p35, SLA/LP autoantigen, Selenocysteine synthase, Sec synthase, Selenocysteinyl-tRNA(Sec) synthase, Sep-tRNA:Sec-tRNA synthase, SepSecS, Soluble liver antigen, SLA, UGA suppressor tRNA-associated protein, tRNA(Ser/Sec)-associated antigenic protein, SEPSECS, TRNP48
Isotype :	Rabbit Ig
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]).
reference :	Agamy, O., et al. Am. J. Hum. Genet. 87(4):538-544(2010) Hart, K., et al. Lung Cancer (2010) In press : Volkmann, M., et al. J. Autoimmun. 34(1):59-65(2010) Palioura, S., et al. Science 325(5938):321-325(2009) Xu, X.M., et al. PLoS Biol. 5 (1), E4 (2)