

# Product Datasheet

## Seryl tRNA synthetase Antibody (1H4) - Azide and BSA Free H00006301-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Updated 2/21/2025 v.20.1

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**H00006301-M01**

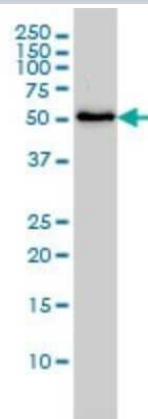
Seryl tRNA synthetase Antibody (1H4) - Azide and BSA Free

Product Information	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	1H4
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2a Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	In 1x PBS, pH 7.4
Product Description	
<b>Description</b>	Quality control test: Antibody Reactive Against Recombinant Protein.
<b>Host</b>	Mouse
<b>Gene ID</b>	6301
<b>Gene Symbol</b>	SARS
<b>Species</b>	Human, Mouse, Zebrafish
<b>Specificity/Sensitivity</b>	SARS - seryl-tRNA synthetase
<b>Immunogen</b>	SARS (AAH00716, 1 a.a. ~ 514 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MVLDDLFRVDKGGDPALIRETQEKRFKDPGLVDQLVKADSEWRRRCRFRADN LNKLKLNLCSTIGEKMKKKEPVGDDESPENVLSFDDLTADALANLKVSIKKV RLlideAILKcDAERIKLEAERFENLREIGNLLHPSVPISNDEDVDNKVERIWGDC TVRKKYSHVDLVMVDGFEGEKGAVVAGSRGYFLKGVLFLEQALIQYALRTL GSRGYIPIYTPFFMRKEVMQEVAQLSQFDEELYKVIGKGSEKSDDNSYDEKYLI ATSEQPIAALHRDEWLRPEDLPIKYAGLSTCFRQEVGSHGRDTRGIFRVHQFEK IEQFVYSSPHDNKSWEMFEEMITTAEEFYQSLGIPYHIVNIVSGSLNHAASKKLD LEAWFPGSGAFRELVSCSNCTDYQARRLRIRYGGQTKKMMMDKVEFVHMLNATM CATTRTICAILENYQTEKGITVPEKLKEFMPPGLQELIPFVKPAPIEQEPSKKQKK QHEGSKKAAARDVTLENRLQNMEVTD A
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP), Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Chromatin Immunoprecipitation (ChIP), Knockdown Validated
<b>Application Notes</b>	Antibody reactivity against recominant protein and cell lysate for WB. It has been used for IF, IHC-P, RNAi Validation and ELISA.

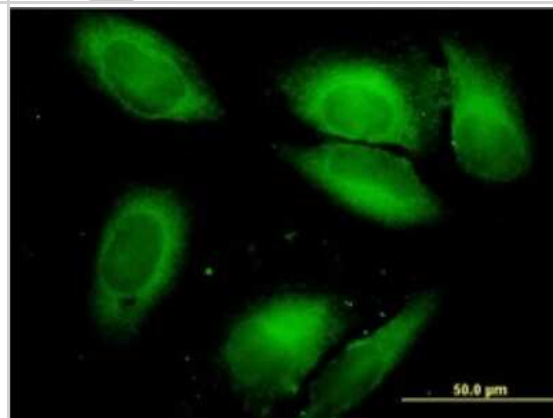


## Images

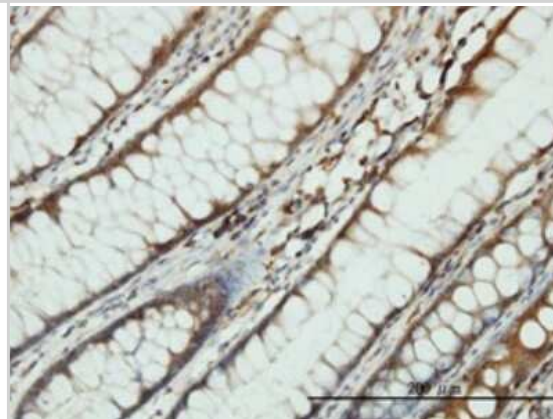
Western Blot: Seryl tRNA synthetase Antibody (1H4) [H00006301-M01] - SARS monoclonal antibody (M01), clone 1H4 Analysis of SARS expression in Jurkat.



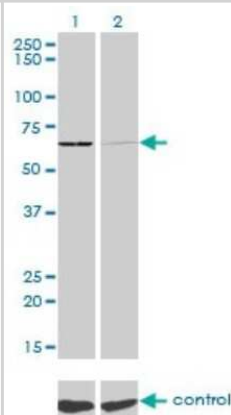
Immunocytochemistry/Immunofluorescence: Seryl tRNA synthetase Antibody (1H4) [H00006301-M01] - Analysis of monoclonal antibody to SARS on HeLa cell. Antibody concentration 25 ug/ml.



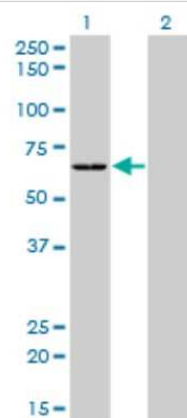
Immunohistochemistry-Paraffin: Seryl tRNA synthetase Antibody (1H4) [H00006301-M01] - Analysis of monoclonal antibody to SARS on formalin-fixed paraffin-embedded human colon tissue. Antibody concentration 3 ug/ml.



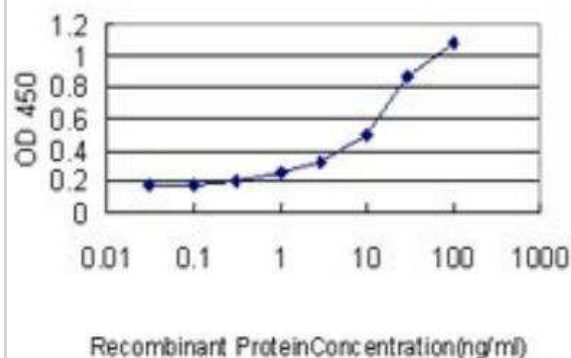
Western Blot: Seryl tRNA synthetase Antibody (1H4) [H00006301-M01] - Analysis of SARS over-expressed 293 cell line, cotransfected with SARS Validated Chimera RNAi ( Cat # H00006301-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with SARS monoclonal antibody (M01), clone 1H4 (Cat # H00006301-M01 ). GAPDH ( 36.1 kDa ) used as specificity and loading control.



Western Blot: Seryl tRNA synthetase Antibody (1H4) [H00006301-M01] - Analysis of SARS expression in transfected 293T cell line by SARS monoclonal antibody (M01), clone 1H4. Lane 1: SARS transfected lysate (58.8 KDa). Lane 2: Non-transfected lysate.



ELISA: Seryl tRNA synthetase Antibody (1H4) [H00006301-M01] - Detection limit for recombinant GST tagged SARS is approximately 0.03ng/ml as a capture antibody.



## Publications

Musante L, Puttmann L, Kahrizi K et al. Mutations of the aminoacyl-tRNA-synthetases SARS and WARS2 are implicated in the aetiology of autosomal recessive intellectual disability. *Hum Mutat* 2017-02-25 [PMID: 28236339]

Fu CY, Wang PC, Tsai HJ. Competitive binding between Seryl-tRNA synthetase/YY1 complex and NFKB1 at the distal segment results in differential regulation of human vegfa promoter activity during angiogenesis. *Nucleic Acids Res* 2016-12-01 [PMID: 27913726]

Lin CY, Lee HC, Fu CY et al. miR-1 and miR-206 target different genes to have opposing roles during angiogenesis in zebrafish embryos. *Nat Commun.* 2013-11-22 [PMID: 24264597]

Shi Y, Xu X, Zhang Q et al. tRNA synthetase counteracts c-Myc to develop functional vasculature. *Elife.* 2014-06-17 [PMID: 24940000]



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### **Products Related to H00006301-M01**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP1-78856-50ug	Recombinant Human Seryl tRNA synthetase His Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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