

For Research Use Only

# SARS Polyclonal antibody

Catalog Number: 15162-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 15162-1-AP	<b>GenBank Accession Number:</b> BC000716	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 µg/ml by Nanodrop and 160 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6301	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200 IF 1:10-1:100
<b>Source:</b> Rabbit	<b>Full Name:</b> seryl-tRNA synthetase	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 58 kDa	
<b>Immunogen Catalog Number:</b> AG7270	<b>Observed MW:</b> 58-64 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, HeLa cells, HepG2 cells
<b>Cited Applications:</b> WB	<b>IHC :</b> human lung cancer tissue,
<b>Species Specificity:</b> human, mouse, rat	<b>IF :</b> HepG2 cells,
<b>Cited Species:</b> human	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

SARS(Serine--tRNA ligase, cytoplasmic) Catalyzes the attachment of serine to tRNA(Ser). Is also probably able to aminoacylate tRNA(Sec) with serine, to form the misacylated tRNA L-seryl-tRNA(Sec), which will be further converted into selenocysteinyl-tRNA(Sec).The deduced 514-amino acid protein has a calculated molecular mass of about 59 kD.And it can form a dimer of 120KDa(PMID:2180700).It is detected a band of 65KDa in MEL cell lines(PMID:1918033).

## Notable Publications

Author	Pubmed ID	Journal	Application
Ning Xu	35659036	J Hematol Oncol	WB

## Storage

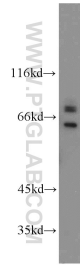
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

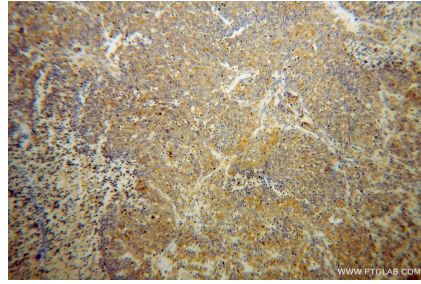
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

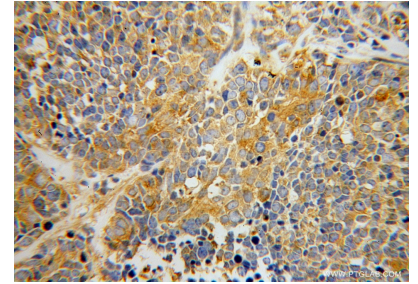
## Selected Validation Data



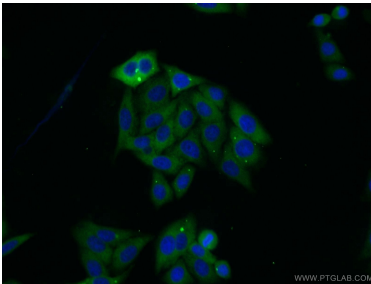
HEK-293 cells were subjected to SDS PAGE followed by western blot with 15162-1-AP (SARS antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer using 15162-1-AP (SARS antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lung cancer using 15162-1-AP (SARS antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of HepG2 cells using 15162-1-AP (SARS antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).