

SARS2 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP7837c

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9NP81
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB14863
Calculated MW	58283
Antigen Region	315-344

Additional Information

Gene ID	54938
Other Names	Serine--tRNA ligase, mitochondrial, SerRSmt, Seryl-tRNA synthetase, SerRS, Seryl-tRNA(Ser/Sec) synthetase, SARS2, SARSM
Target/Specificity	This SARS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 315-344 amino acids from the Central region of human SARS2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SARS2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SARS2
Synonyms	SARSM
Function	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).

Cellular Location

Mitochondrion matrix {ECO:0000250 | UniProtKB:Q9N0F3}

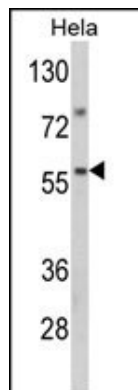
Background

SARS2 catalyzes the attachment of serine to tRNA(Ser). It is also 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).

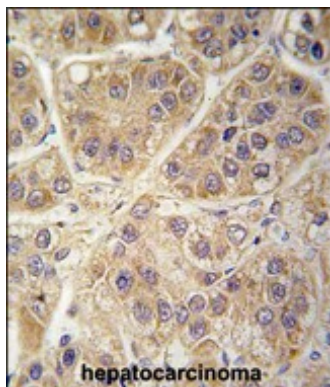
References

Muller,T., Acta Neuropathol. 110 (4), 426-430 (2005)
Gibbons,W.J. Jr., Biochem. Biophys. Res. Commun. 317 (3), 774-778 (2004)
Yokogawa,T., J. Biol. Chem. 275 (26), 19913-19920 (2000)

Images



Western blot analysis of SARS2 Antibody (Center) (Cat. #AP7837c) in HeLa cell line lysates (35ug/lane). SARS2 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with SARS2 antibody (Center) (Cat.#AP7837c), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.