

**SARS2 Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP7837A****Specification**

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**SARS2 Antibody (N-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">Q9NP81</a>
Other Accession	<a href="#">Q9N0F3</a>
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	58283
Antigen Region	160-188

**SARS2 Antibody (N-term) - 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 160-188 amino acids from the N-terminal region of human SARS2.

**Dilution**

WB~~1:1000  
IHC-P~~1:10~50

**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 (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**SARS2 Antibody (N-term) - 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 selenocysteiny-tRNA(Sec).

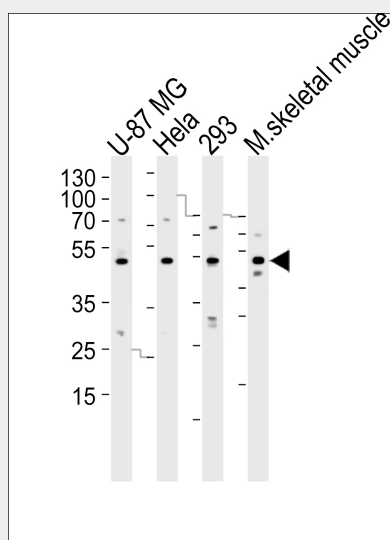
**Cellular Location**

Mitochondrion matrix {ECO:0000250|UniProtKB:Q9N0F3}

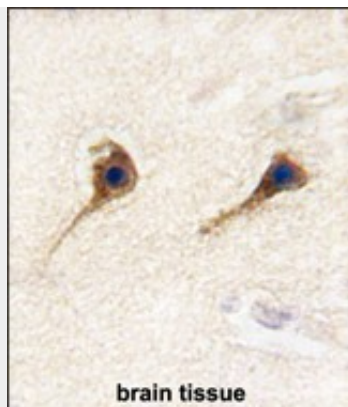
**SARS2 Antibody (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**SARS2 Antibody (N-term) - Images**

Western blot analysis of lysates from U-87 MG, HeLa, 293 cell line and mouse skeletal muscle tissue lysate(from left to right), using SARS2 Antibody (N-term)(Cat. #AP7837a). AP7837a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



Formalin-fixed and paraffin-embedded human brain tissue reacted with SARS2 antibody (N-term) (Cat.#AP7837a), 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.

#### **SARS2 Antibody (N-term) - 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 selenocysteinyI-tRNA(Sec).

#### **SARS2 Antibody (N-term) - 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)