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SARS2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP7837A

Specification

SARS2 Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q9NP81
Other Accession	Q9N0F3
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
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 (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SARS2 Antibody (N-term) - Protein Information

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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).

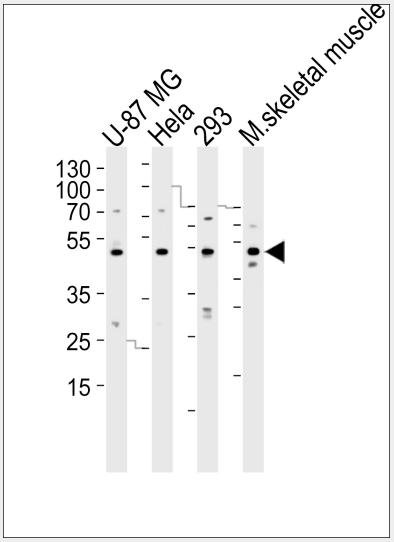
Cellular Location
Mitochondrion matrix {ECO:0000250|UniProtKB:Q9N0F3}

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 Cytomety
- 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.

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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 selenocysteinyl-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)