

## Rabbit SARS2 Polyclonal Antibody | anti-SARS2 antibody

SARS2 Antibody (N-term)

| CATALOG # | HOST   | REACTIVITY                           | APPLICATIONS                              |
|-----------|--------|--------------------------------------|-------------------------------------------|
| AAA287063 | Rabbit | Human (Predicted Reactivity: Bovine) | Western Blot, Immunohistochemistry, ELISA |

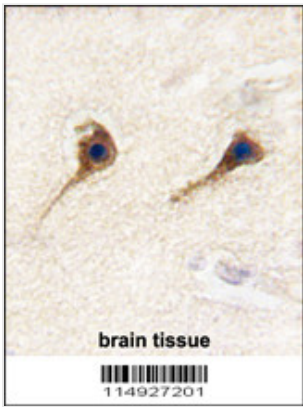
### PRODUCT SYNONYMS

SARS2; Polyclonal Antibody; SARS2 Antibody (N-term); Serine--tRNA ligase; mitochondrial; SerRSmt; Seryl-tRNA synthetase; SerRS; Seryl-tRNA(Ser/Sec) synthetase; SARSM; anti-SARS2 antibody

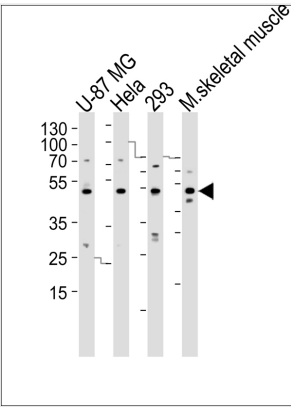
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                    |
| Reactivity                                      | Human (Predicted Reactivity: Bovine)                                                                                                                                                      |
| Clonality                                       | Polyclonal                                                                                                                                                                                |
| Isotype                                         | Rabbit Ig                                                                                                                                                                                 |
| 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.                    |
| Purity/Purification                             | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                 |
| Form/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. |
| Concentration                                   | Vial Concentration: 2 (varies by lot)                                                                                                                                                     |
| Sequence Positions                              | 160-188                                                                                                                                                                                   |
| Sequence Length                                 | 520                                                                                                                                                                                       |
| Applicable Applications for anti-SARS2 antibody | WB (Western Blot), IHC (Immunohistochemistry), ELISA                                                                                                                                      |
| Antigen Type                                    | Synthetic Peptide                                                                                                                                                                         |
| Antigen Source                                  | HUMAN                                                                                                                                                                                     |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                    |

IMAGES



**IHC (Immunohiostchemistry)**  
Formalin-fixed and paraffin-embedded human brain tissue reacted with SARS2 antibody (N-term) , 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.



**WB (Western Blot)**  
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). AAA287063 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.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                               |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SARS2 antibody | 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)<br>Gibbons,W.J. Jr., Biochem. Biophys. Res. Commun. 317 (3), 774-778 (2004)<br>Yokogawa,T., J. Biol. Chem. 275 (26), 19913-19920 (2000)                                  |

NCBI AND UNIPROT INFORMATION

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| NCBI GI #                        | 225579074                                       |
| NCBI GeneID                      | 54938                                           |
| NCBI Accession #                 | NP_001139373.1; NP_060297.1                     |
| NCBI GenBank Nucleotide #        | NM_001145901.1                                  |
| UniProt Accession #              | Q9NP81; Q9BVP3; A6NHW7; B4DE10                  |
| Molecular Weight                 | 58283                                           |
| NCBI Official Full Name          | serine--tRNA ligase, mitochondrial isoform a    |
| NCBI Official Synonym Full Names | seryl-tRNA synthetase 2, mitochondrial          |
| NCBI Official Symbol             | SARS2                                           |
| NCBI Official Synonym Symbols    | SYS; SARS; SERS; SARSM; SerRS; SerRSmt; mtSerRS |
| NCBI Protein Information         | serine--tRNA ligase, mitochondrial              |
| UniProt Protein Name             | Serine--tRNA ligase, mitochondrial              |
| UniProt Gene Name                | SARS2                                           |
| UniProt Synonym Gene Names       | SARSM; SerRS                                    |
| UniProt Entry Name               | SYSM_HUMAN                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

