

## Rabbit lasA Polyclonal Antibody | anti-lasA antibody

lasA Antibody; HRP conjugated

|                               |                       |                                             |                              |
|-------------------------------|-----------------------|---------------------------------------------|------------------------------|
| CATALOG #<br><b>AAA230477</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Pseudomonas aeruginosa</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|-----------------------|---------------------------------------------|------------------------------|

### PRODUCT SYNONYMS

lasA; Polyclonal Antibody; lasA Antibody; HRP conjugated; Protease LasA; Staphylolytic protease; PA1871; anti-lasA antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                          |
|------------------------------------------------|------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                   |
| Reactivity                                     | Pseudomonas aeruginosa                                                                   |
| Clonality                                      | Polyclonal                                                                               |
| Isotype                                        | IgG                                                                                      |
| Purity/Purification                            | >95%,Protein G purified                                                                  |
| Form/Format                                    | Liquid                                                                                   |
| Sequence Length                                | 418                                                                                      |
| Applicable Applications for anti-lasA antibody | ELISA                                                                                    |
| Immunogen                                      | Recombinant Pseudomonas aeruginosa Protease LasA protein                                 |
| Conjugation                                    | HRP                                                                                      |
| Storage Buffer                                 | Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4            |
| Preparation and Storage                        | Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C. |

### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-lasA antibody | Involved in proteolysis and elastolysis (degradation of the host protein elastin). Has staphylolytic activity (degrades pentaglycine cross-links in cell wall peptidoglycan), preferring Gly-Gly-[X] substrates where X is Ala or Gly (PubMed:11179971). Enhances the elastolytic but not proteolytic activity of elastase (lasB) and elastolytic activity of other proteases (PubMed:2110137). Degradation of host elastin is likely to contribute to the pathogenicity of P.aeruginosa. While either His-317 or His-356 can abstract a proton in the hydrolysis reaction, the same residue performs both functions in a given catalytic cycle, with the other stabilizing the catalytic intermediate (PubMed:20026068). |
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### NCBI AND UNIPROT INFORMATION

|                           |                                                                          |
|---------------------------|--------------------------------------------------------------------------|
| NCBI GI #                 | <a href="#">15597068</a>                                                 |
| NCBI GeneID               | <a href="#">878260</a>                                                   |
| NCBI Accession #          | <a href="#">NP_250562.1</a>                                              |
| NCBI GenBank Nucleotide # | <a href="#">NC_002516.2</a>                                              |
| UniProt Accession #       | <a href="#">P14789</a> ; <a href="#">P72165</a> ; <a href="#">Q9I2M5</a> |
| Molecular Weight          | 45,517 Da                                                                |

|                          |               |
|--------------------------|---------------|
| NCBI Official Full Name  | protease LasA |
| NCBI Official Symbol     | lasA          |
| NCBI Protein Information | protease LasA |
| UniProt Protein Name     | Protease LasA |
| UniProt Gene Name        | <b>lasA</b>   |
| UniProt Entry Name       | LASA_PSEAE    |

**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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/lasa-antibody-elisa/230477>