

## Rabbit anti-Bacteria Anthrax Protective Polyclonal Antibody | anti-pxo1\_110 antibody

Anthrax Protective Antigen Antibody

|                              |                       |                               |                              |
|------------------------------|-----------------------|-------------------------------|------------------------------|
| CATALOG #<br><b>AAA39793</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Bacteria</b> | APPLICATIONS<br><b>ELISA</b> |
|------------------------------|-----------------------|-------------------------------|------------------------------|

### PRODUCT SYNONYMS

Anthrax Protective; Polyclonal Antibody; Anthrax Protective Antigen Antibody; Anthrax Protective Antigen; pag; pXO1-110; BXA0164; GBAA\_pXO1\_0164; Protective antigen; Anthrax toxins translocating protein; PA; anti-pxo1\_110 antibody

### PRODUCT SPECIFICATIONS

|                                                    |                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                               | Rabbit                                                                                                                                                                                                                                                                           |
| Reactivity                                         | Bacteria                                                                                                                                                                                                                                                                         |
| Clonality                                          | Polyclonal                                                                                                                                                                                                                                                                       |
| Isotype                                            | IgG                                                                                                                                                                                                                                                                              |
| Purity/Purification                                | Anthrax Protective Antigen Antibody is affinity chromatography purified via peptide column.                                                                                                                                                                                      |
| Form/Format                                        | Liquid                                                                                                                                                                                                                                                                           |
| Concentration                                      | 1 mg/mL (varies by lot)                                                                                                                                                                                                                                                          |
| Sequence Length                                    | 764                                                                                                                                                                                                                                                                              |
| Applicable Applications for anti-pxo1_110 antibody | ELISA                                                                                                                                                                                                                                                                            |
| Conjugate                                          | Unconjugated                                                                                                                                                                                                                                                                     |
| Immunogen                                          | Anthrax protective antigen antibody was raised against a synthetic peptide corresponding to 14 amino acids at the carboxy terminus of the Anthrax protective antigen protein.<br><br>The immunogen is located within amino acids 600-650 of Anthrax Protective Antigen.          |
| Buffer                                             | Anthrax Protective Antigen Antibody is supplied in PBS containing 0.02% sodium azide.                                                                                                                                                                                            |
| Preparation and Storage                            | Anthrax Protective Antigen antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

### ADDITIONAL INFORMATION

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-pxo1_110 antibody | Anthrax Protective Antigen Antibody: Anthrax infection is initiated by the inhalation, ingestion, or cutaneous contact with Bacillus anthracis endospores. B. anthracis produces three polypeptides that comprise the anthrax toxin: protective antigen (PA), lethal factor (LF), and edema factor (EF). PA binds to two related proteins on the cell surface; these are termed tumor epithelial marker 8 (TEM8)/anthrax toxin receptor (ATR) and capillary morphogenesis protein 2 (CMG2), although it is still unclear which is physiologically relevant. Following PA binding to its receptor, PA is cleaved into two fragments by a furin-like protease. The bound fragment binds both LF and EF; the resulting complex is then endocytosed which allows the translocation of LF and EF into the cytoplasm. These toxins are usually sufficient to cause rapid cell death, and often the death of the organism. |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|           |         |
|-----------|---------|
| NCBI GI # | 9280533 |
|-----------|---------|

|                            |                                                                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GeneID                | <a href="#">3361714</a>                                                                                                                                                      |
| UniProt Accession #        | <a href="#">P13423</a> ; <a href="#">Q937W2</a> ; <a href="#">Q937W3</a> ; <a href="#">Q9F5R7</a> ; <a href="#">Q9KH69</a> ; <a href="#">Q9RQU2</a> ; <a href="#">F59104</a> |
| NCBI Official Full Name    | protective antigen                                                                                                                                                           |
| NCBI Official Symbol       | pxo1_110                                                                                                                                                                     |
| NCBI Protein Information   | pXO1-110                                                                                                                                                                     |
| UniProt Protein Name       | Protective antigen                                                                                                                                                           |
| UniProt Gene Name          | <b>pagA</b>                                                                                                                                                                  |
| UniProt Synonym Gene Names | pag; PA; PA83; PA20; PA63                                                                                                                                                    |
| UniProt Entry Name         | PAG_BACAN                                                                                                                                                                    |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/polyclonal/anthrax-protective-antibody-elisa/39793>