

## Rabbit PSPH Polyclonal Antibody | anti-PSPH antibody

PSPH Polyclonal Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA280498</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

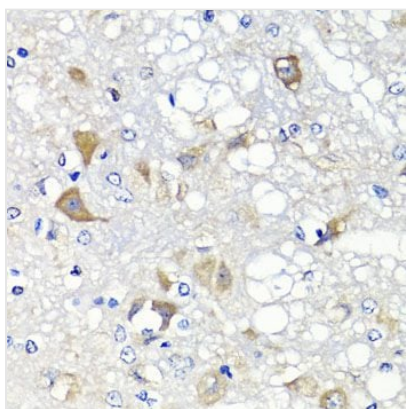
### PRODUCT SYNONYMS

PSPH; Polyclonal Antibody; PSPH Polyclonal Antibody; anti-PSPH antibody

### PRODUCT SPECIFICATIONS

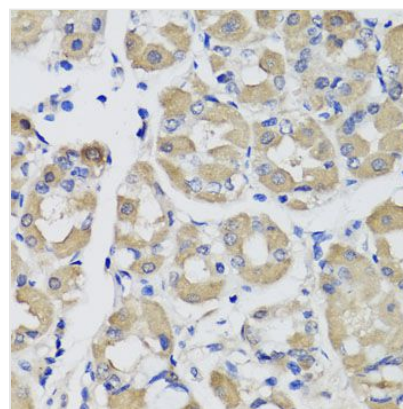
|                                                |                                                                                                                 |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                          |
| Reactivity                                     | Human, Mouse, Rat                                                                                               |
| Clonality                                      | Polyclonal                                                                                                      |
| Isotype                                        | IgG                                                                                                             |
| Purity/Purification                            | Affinity Purification                                                                                           |
| Sequence Length                                | 225                                                                                                             |
| Applicable Applications for anti-PSPH antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                   |
| Immunogen                                      | Recombinant Protein                                                                                             |
| Immunogen                                      | Recombinant protein of human PSPH                                                                               |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |

### IMAGES



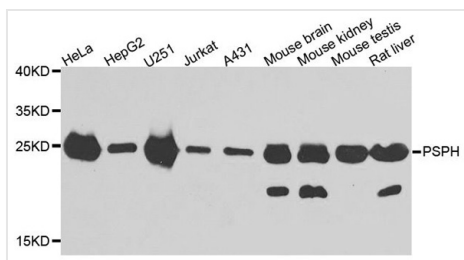
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat brain using PSPH antibody at dilution of 1:100 (40x lens).



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human stomach using PSPH antibody at dilution of 1:100 (40x lens).



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PSPH antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 90s.

## ADDITIONAL INFORMATION

### Related Product Information for anti-PSPH antibody

The protein encoded by this gene belongs to a subfamily of the phosphotransferases. This encoded enzyme is responsible for the third and last step in L-serine formation. It catalyzes magnesium-dependent hydrolysis of L-phosphoserine and is also involved in an exchange reaction between L-serine and L-phosphoserine. Deficiency of this protein is thought to be linked to Williams syndrome.

## NCBI AND UNIPROT INFORMATION

|                                  |                           |
|----------------------------------|---------------------------|
| NCBI GI #                        | 46249388                  |
| NCBI GeneID                      | 5723                      |
| NCBI Accession #                 | NP_004568.2               |
| NCBI GenBank Nucleotide #        | NM_004577.3               |
| UniProt Accession #              | P78330; Q7Z3S5; B2RCR5    |
| Molecular Weight                 | 25kDa                     |
| NCBI Official Full Name          | phosphoserine phosphatase |
| NCBI Official Synonym Full Names | phosphoserine phosphatase |
| NCBI Official Symbol             | PSPH                      |
| NCBI Official Synonym Symbols    | PSP; PSPHD                |
| NCBI Protein Information         | phosphoserine phosphatase |
| UniProt Protein Name             | Phosphoserine phosphatase |
| UniProt Gene Name                | <b>PSPH</b>               |
| UniProt Synonym Gene Names       | PSP; PSPase               |
| UniProt Entry Name               | SERB_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/psph-antibody-immunohistochemistry-western-blot-elisa/280498>