

## Rabbit SPAM1 Polyclonal Antibody | anti-SPAM1 antibody

SPAM1 Antibody

|                               |                       |                                        |                                           |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------------|
| CATALOG #<br><b>AAA167567</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence</b> |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------------|

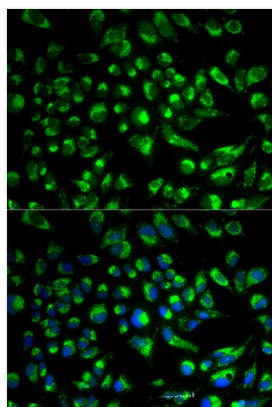
### PRODUCT SYNONYMS

SPAM1; Polyclonal Antibody; SPAM1 Antibody; HYA1; PH20; HYAL1; HYAL3; HYAL5; PH-20; SPAG15; anti-SPAM1 antibody

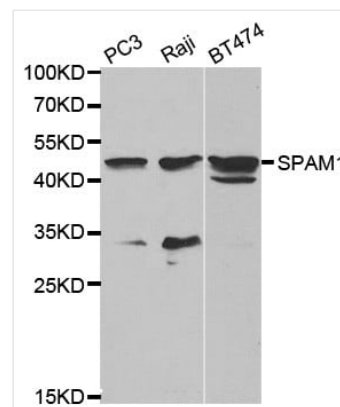
### PRODUCT SPECIFICATIONS

|                                                 |                                                         |
|-------------------------------------------------|---------------------------------------------------------|
| Host                                            | Rabbit                                                  |
| Reactivity                                      | Human, Mouse, Rat                                       |
| Clonality                                       | Polyclonal                                              |
| Isotype                                         | IgG                                                     |
| Purity/Purification                             | Affinity purification                                   |
| Form/Format                                     | PBS with 0.02% sodium azide, 50% glycerol, pH7.3        |
| Applicable Applications for anti-SPAM1 antibody | IF (Immunofluorescence)                                 |
| Immunogen                                       | Recombinant fusion protein of human SPAM1 (NP_003108.2) |
| Preparation and Storage                         | Store at -20°C. Avoid freeze / thaw cycles.             |

### IMAGES


**IF (Immunofluorescence)**

Immunofluorescence analysis of HeLa cell using SPAM1 antibody. Blue: DAPI for nuclear staining.


**WB (Western Blot)**

Western blot analysis of extracts of various cell lines, using SPAM1 Polyclonal Antibody.

ADDITIONAL INFORMATION

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|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SPAM1 antibody | Hyaluronidase degrades hyaluronic acid, a major structural proteoglycan found in extracellular matrices and basement membranes. Six members of the hyaluronidase family are clustered into two tightly linked groups on chromosome 3p21. 3 and 7q31. 3. This gene was previously referred to as HYAL1 and HYA1 and has since been assigned the official symbol SPAM1; another family member on chromosome 3p21. 3 has been assigned HYAL1. This gene encodes a GPI-anchored enzyme located on the human sperm surface and inner acrosomal membrane. This multifunctional protein is a hyaluronidase that enables sperm to penetrate through the hyaluronic acid-rich cumulus cell layer surrounding the oocyte, a receptor that plays a role in hyaluronic acid induced cell signaling, and a receptor that is involved in sperm-zona pellucida adhesion. Abnormal expression of this gene in tumors has implicated this protein in degradation of basement membranes leading to tumor invasion and metastasis. Multiple transcript variants encoding different isoforms have been found for this gene. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 1480101                                                                                                                                        |
| NCBI GeneID                      | 6677                                                                                                                                           |
| UniProt Accession #              | P38567; Q8TC30                                                                                                                                 |
| Molecular Weight                 | Calculated MW 57kDa/58kDa<br>Observed MW 47kDa                                                                                                 |
| NCBI Official Full Name          | sperm adhesion molecule gene SPAM1                                                                                                             |
| NCBI Official Synonym Full Names | sperm adhesion molecule 1 (PH-20 hyaluronidase, zona pellucida binding)                                                                        |
| NCBI Official Symbol             | SPAM1                                                                                                                                          |
| NCBI Official Synonym Symbols    | HYA1; PH20; HYAL1; HYAL3; HYAL5; PH-20; SPAG15; HEL-S-96n                                                                                      |
| NCBI Protein Information         | hyaluronidase PH-20; epididymis secretory sperm binding protein Li 96n; hyal-PH20; hyaluronoglucosaminidase PH-20; sperm surface protein PH-20 |
| UniProt Protein Name             | Hyaluronidase PH-20                                                                                                                            |
| UniProt Gene Name                | SPAM1                                                                                                                                          |
| UniProt Synonym Gene Names       | HYAL3; PH20; Hyal-PH20                                                                                                                         |
| UniProt Entry Name               | HYALP_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/spam1-antibody-immunofluorescence-elisa/167567>