

SPAM1 Polyclonal Antibody | anti-SPAM1 antibody

SPAM1 Polyclonal Antibody

CATALOG #
AAA10714

APPLICATIONS
Western Blot, Immunofluorescence, Immunohistochemistry, Immunocytochemistry

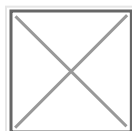
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

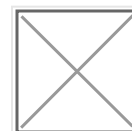
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3
Sequence Length	509
Applicable Applications for anti-SPAM1 antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry), ICC (Immunocytochemistry)
Application Notes	WB 1:500 - 1:1000 IHC-P 1:50 - 1:200 IF/ICC 1:50 - 1:200
Source	Rabbit
Category	Primary Antibody
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 100-300 of human SPAM1 (NP_003108.2)
Species Reactivity / Cross-Reactivity	Human, Mouse, Rat
Preparation and Storage	Store at -20°C. Avoid freeze/thaw cycles

IMAGES



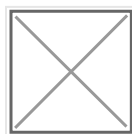
IF (Immunofluorescence)

Immunofluorescence analysis of human testis cells using SPAM1 Rabbit pAb (AAA10714) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



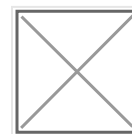
IF (Immunofluorescence)

Immunofluorescence analysis of rat testis cells using SPAM1 Rabbit pAb (AAA10714) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat testis using SPAM1 Rabbit pAb (AAA10714) at dilution of 1:100 (40xlens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using SPAM1 antibody (AAA10714) 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.

ADDITIONAL INFORMATION

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 indegradation of basement membranes leading to tumor invasion and metastasis. Multiple transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-SPAM1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	585673
NCBI GeneID	6677
UniProt Accession #	P38567; Q8TC30
Molecular Weight	Observed MW: 64KDa Calculated MW: 58kDa
NCBI Official Full Name	Hyaluronidase PH-20
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; hyal-PH20; sperm surface protein PH-20; hyaluronoglucosaminidase PH-20; epididymis secretory sperm binding protein Li 96n
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

Online datasheet: <https://stage.aaabiotech.com/polyclonal/spam1-antibody-western-blot-immunofluorescence-immunohistochemistry-immunocytochemistry-elisa/10714>