

Product datasheet for **TA337855**

Hyaluronidase PH20 (SPAM1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-SPAM1 antibody is: synthetic peptide directed towards the C-terminal region of Human SPAM1. Synthetic peptide located within the following region: CYSTLSCKEKADVKDTDAVDVCIADGVCIDAFLKPPMETEEPQIFYNASP
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	58 kDa
Gene Name:	sperm adhesion molecule 1
Database Link:	NP_694859 Entrez Gene 6677 Human P38567



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Background:

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.

Synonyms:

HEL-S-96n; HYA1; HYAL1; HYAL3; HYAL5; PH-20; PH20; SPAG15

Note:

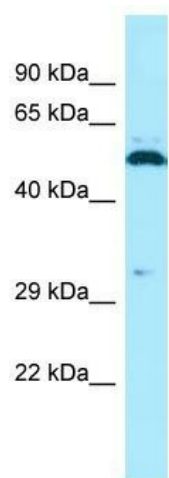
Immunogen Sequence Homology: Human: 100%

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

Glycosaminoglycan degradation, Metabolic pathways

Product images:

WB Suggested Anti-SPAM1 Antibody; Titration:
1.0 ug/ml; Positive Control: Jurkat Whole Cell

