

Rabbit anti-Human SPAM1 Polyclonal Antibody | anti-SPAM1 antibody

SPAM1 Antibody - C-terminal region

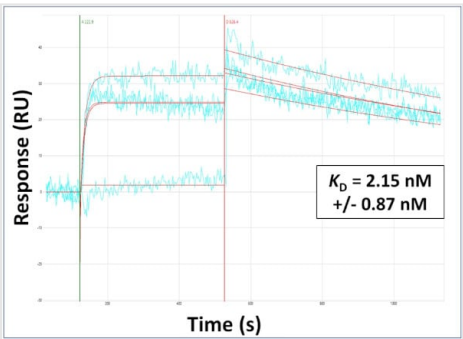
CATALOG # AAA23593	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

SPAM1; Polyclonal Antibody; SPAM1 Antibody - C-terminal region; anti-SPAM1 antibody

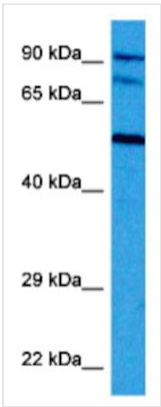
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/ml (varies by lot)
Sequence	Synthetic peptide with the following region: CY STLSCKEKAD VKD TDAVDVC IADGVCIDAF LKPPMETEEP QIFYNASP
Sequence Length	509
Applicable Applications for anti-SPAM1 antibody	WB (Western Blot)
Homology	Human: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the C-terminal region of Human SPAM1
Protein Size (# AA)	509 amino acids
Preparation and Storage	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



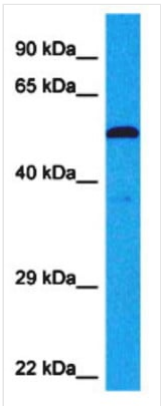
Application Data

Surface Plasmon Resonance Kinetic Characterization of Polyclonal Antibody Affinity. Purified polyclonal antibodies were immobilized on a Protein A/G coated Carterra LSA sensor chip at concentrations of 5, and 50 ug/mL in duplicate. Antibodies on the surface were exposed to interaction with peptides sequentially via microfluidic controlled flow at 333nM peptide concentration for kinetic characterization of the binders for affinity and specificity, followed by curve fitting using the Kinetics software. Kd determinations for both concentrations were averaged and results and standard deviation are shown.



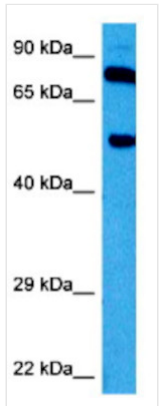
WB (Western Blot)

Host: Rabbit Target Name: SPAM1 Sample Tissue: Human HepG2 Whole Cell Antibody Dilution: 0.2ug/ml.



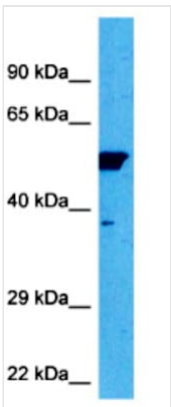
WB (Western Blot)

Host: Rabbit Target Name: SPAM1 Sample Tissue: Human HT1080 Whole Cell Antibody Dilution: 1ug/ml.



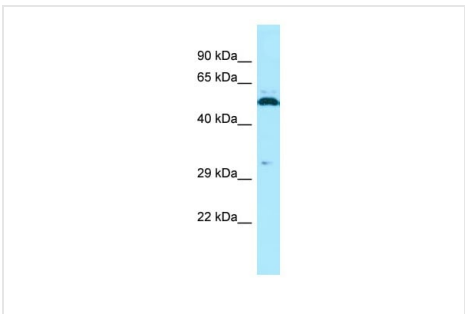
WB (Western Blot)

Host: Rabbit Target Name: SPAM1 Sample Tissue: Human Jurkat Whole Cell Antibody Dilution: 3ug/mlb.



WB (Western Blot)

Host: Rabbit Target Name: SPAM1 Sample Tissue: Human A549 Whole Cell Antibody Dilution: 3ug/ml.



WB (Western Blot)

WB Suggested Anti-SPAM1 AntibodyTitration: 1.0 ug/mlPositive Control: Jurkat Whole Cell

ADDITIONAL INFORMATION

Related Product Information for anti-SPAM1 antibody	Target Description: 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.
Product Categories/Family for anti-SPAM1 antibody	Polyclonal; Cancer; Signaling Intermediate; Cell Adhesion; Disease Related; Axon Guidance

NCBI AND UNIPROT INFORMATION

NCBI GI #	23510418
NCBI GeneID	6677
NCBI Accession #	NP_694859
NCBI GenBank Nucleotide #	NM_153189
UniProt Accession #	P38567
Molecular Weight	58kDa
NCBI Official Full Name	hyaluronidase PH-20 isoform 2
NCBI Official Synonym Full Names	sperm adhesion molecule 1
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
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-elisa/23593>