

Datasheet for ABIN1513554
anti-SPAM1 antibody (AA 100-300)[Go to Product page](#)

6 Images

Overview

Quantity:	100 µg
Target:	SPAM1
Binding Specificity:	AA 100-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPAM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 100-300 of human SPAM1 (NP_003108.2).
Sequence:	PYIDSITGVT VNGGIPQKIS LQDHLKAKK DITFYMPVDN LGMAVIDWEE WRPTWARNWK PKDVYKNRSI ELVQQQNVQL SLTEATEKAK QEFKAGKDF LVETIKLGKL LRPNHLWGYY LFPDCYNHHY KKP GYNGSCF NVEIKRNDL SWLWNESTAL YPSIYLNTQQ SPVAATLYVR NRVREAIRVS KIPDAKSPLP V
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	SPAM1
Alternative Name:	SPAM1 (SPAM1 Products)
Background:	<p>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.,SPAM1,HEL-S-96n,HYA1,HYAL1,HYAL3,HYAL5,PH-20,PH20,SPAG15,Cancer,Invasion and Metastasis,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Extracellular Matrix,SPAM1</p>
Molecular Weight:	57 kDa/58 kDa
Gene ID:	6677
UniProt:	P38567

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

Handling

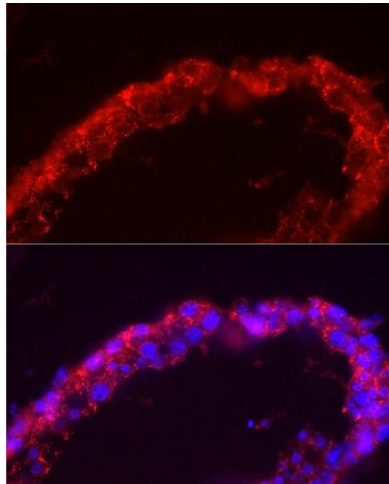
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles

Handling

Storage: -20 °C

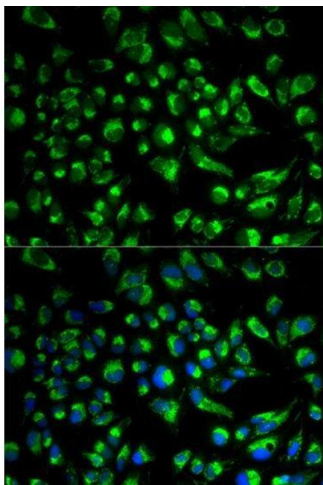
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



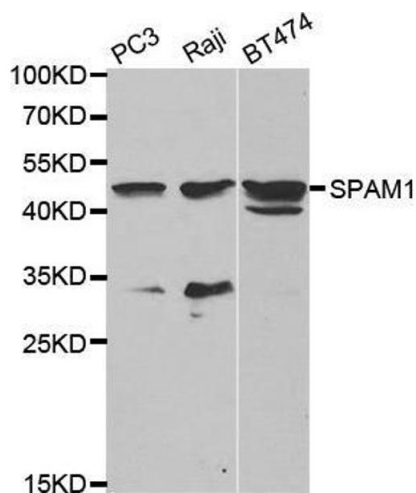
Immunofluorescence

Image 1. Immunofluorescence analysis of human testis cells using SP Rabbit pAb (ABIN3022967, ABIN3022968, ABIN1513554 and ABIN6219322) at dilution of 1:150 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence

Image 2. Immunofluorescence analysis of HeLa cell using SPAM1 antibody. Blue: DAPI for nuclear staining.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using SPAM1 antibody.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN1513554.