Product Name: SPAM1 Rabbit Monoclonal Antibody
Catalog #: AMRe21199
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG,Kappa
Clonality	Monoclonal
Form	Liquid
Concentration	0.2mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%protective protein
Purification	Protein A

Application

Dilution Ratio	WB 1:1000-1:5000,IHC 1:100-1:300
Molecular Weight	Calculated MW:;Observed MW:56kD

Antigen Information

Gene Name	SPAM1;HYAL3;PH20
Alternative Names	SPAM1;HYAL3;PH20;Hyaluronidase PH-20 ;Hyal-PH20;Hyaluronoglucosaminidase PH-20;Sperm adhesion molecule 1;Sperm surface protein PH-20;
Gene ID	6677.0
SwissProt ID	P38567
Immunogen	Recombinant protein of human SPAM1

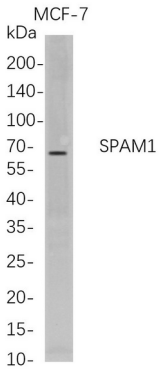
Background

Cell localization:Cell membrane; Lipid-anchor, GPI-anchor..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. [provided by RefSeq, Mar 2010]

Research Area

Image Data



Western Blot analysis of MCF-7 whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-SPAM1 rabbit mAb. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.