abcam

Product datasheet

Anti-SPAM1 antibody ab196596

4 References 2 Images

Overview

Product name	Anti-SPAM1 antibody
Description	Rabbit polyclonal to SPAM1
Host species	Rabbit
Tested applications	**Suitable for:** ICC/IF, WB
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant fragment within Human SPAM1 (internal sequence). The exact sequence is proprietary. Database link: **P38567**
Positive control	Hela cells, extracts of PC3, Raji, BT474 cells.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 49% PBS, 50% Glycerol, 0.87% Sodium chloride without Mg2+ and Ca2+
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab196596 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/50 - 1/200.
WB		1/500 - 1/2000. Predicted molecular weight: 58 kDa.

Target

Function Involved in sperm-egg adhesion. Upon fertilization sperm must first penetrate a layer of cumulus cells that surrounds the egg before reaching the zona pellucida. The cumulus cells are embedded in a matrix containing hyaluronic acid which is formed prior to ovulation. This protein aids in penetrating the layer of cumulus cells by digesting hyaluronic acid.

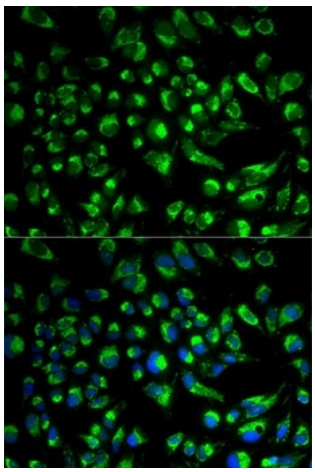
Tissue specificity Testis.

Sequence similarities Belongs to the glycosyl hydrolase 56 family.

Post-translational modifications N-glycosylated.

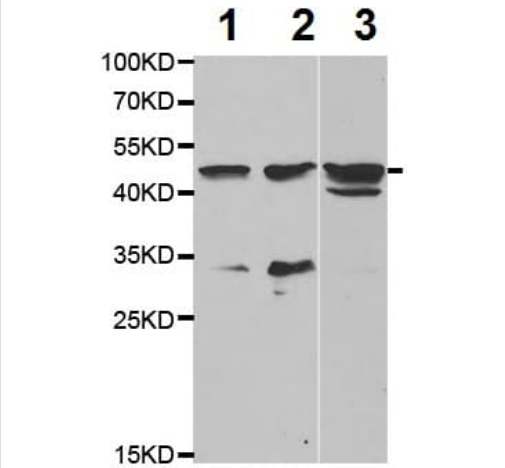
Cellular localization Cell membrane.

Images



Immunocytochemistry/ Immunofluorescence - Anti-SPAM1 antibody (ab196596)

Immunofluorescence analysis of Hela cells labelling SPAM1 using ab196596 at 1/50 (top) with DAPI blue for nuclear staining (bottom)



Western blot - Anti-SPAM1 antibody (ab196596)

All lanes : Anti-SPAM1 antibody (ab196596) at 1/500 dilution

Lane 1 : PC3 cell extract

Lane 2 : Raji cell extract

Lane 3 : BT474 cell extract

Predicted band size: 58 kDa

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