

### Anti-SPACA3 antibody ab121768

2 Images

#### Overview

<b>Product name</b>	Anti-SPACA3 antibody
<b>Description</b>	Rabbit polyclonal to SPACA3
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	antigen sequence: TNNGIFQINS RRWC SNLTPN VPNVCRMYS DLLNP NLKDT VICAMKITQE PQGLGYWEAW RHHCQGKDLT EWVDGCDF, corresponding to amino acids 138-215 of Human SPACA3. <a href="#">Run BLAST with</a> <a href="#">Expasy</a> <a href="#">Run BLAST with</a> <a href="#">NCBI</a>
<b>Positive control</b>	Human testis tissue.
<b>General notes</b>	<p>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.</p> <p>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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab121768 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
IHC-P		1/2500 - 1/5000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 0.04 - 0.4 µg/ml.

## Target

### Function

Sperm surface membrane protein that may be involved in sperm-egg plasma membrane adhesion and fusion during fertilization. It could be a potential receptor for the egg oligosaccharide residue N-acetylglucosamine, which is present in the extracellular matrix over the egg plasma membrane. The processed form has no detectable bacteriolytic activity in vitro.

### Tissue specificity

The processed form is expressed in sperm (at protein level). Expressed in testis, epididymis and placenta.

### Sequence similarities

Belongs to the glycosyl hydrolase 22 family.

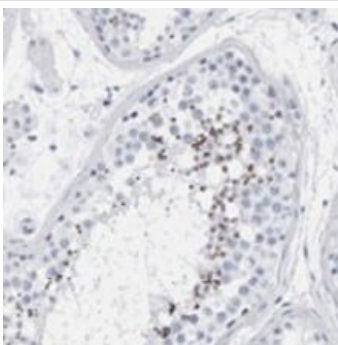
### Post-translational modifications

The processed form derives from the membrane form by proteolytic processing.

### Cellular localization

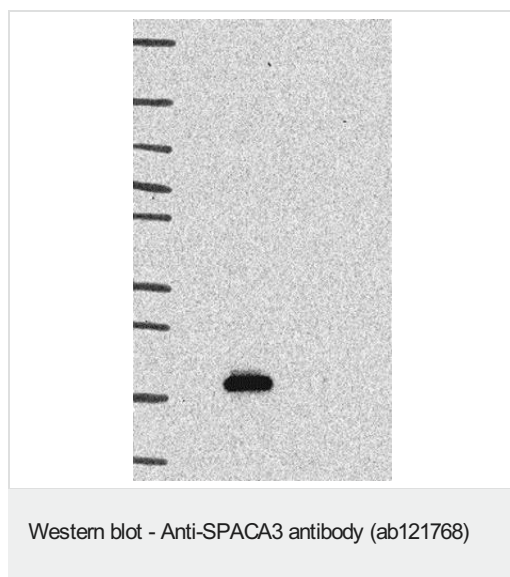
Secreted and Cytoplasmic vesicle > secretory vesicle > acrosome membrane. Anterior acrosome in non-capacitated spermatozoa and retained in the equatorial segment and in the luminal face of both the inner and outer acrosomal membranes following capacitation and the acrosome reaction.

## Images



ab121768 at a 1/2500 dilution staining SPACA3 in paraffin embedded Human testis tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SPACA3 antibody (ab121768)



Lane 1: Marker [kDa] 250; 130; 95; 72; 55; 36; 28; 17; 10  
 Lane 2: Negative control (vector only transfected HEK293T lysate)  
 Lane 3: Over-expression Lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells. Lane 1: Marker [kDa] 250; 130; 95; 72; 55; 36; 28; 17; 10  
 Lane 2: Negative control (vector only transfected HEK293T lysate)  
 Lane 3: Over-expression Lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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