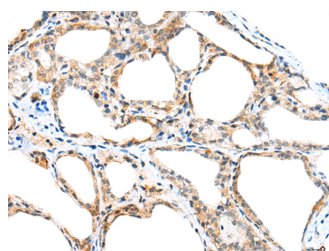


## SPACA3 Polyclonal Antibody

<b>Catalog No.</b>	E-AB-52300	<b>Reactivity</b>	H
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	IHC,ELISA	<b>Isotype</b>	IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Images



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using SPACA3 Polyclonal Antibody at dilution of 1:45(×200)

### Immunogen Information

<b>Immunogen</b>	Full length fusion protein
<b>Gene Accession</b>	BC029867
<b>Swissprot</b>	Q8IXA5
<b>Synonyms</b>	Lysozyme-like protein 3,LYZL3,processed form,SACA3,SLLP1,SPACA3,Sperm acrosome associated 3,Sperm protein reactive with antisperm antibodies

### Product Information

<b>Buffer</b>	PBS with 0.05% NaN <sub>3</sub> and 40% Glycerol,pH7.4
<b>Purify</b>	Antigen affinity purification
<b>Dilution</b>	IHC 1:30-1:150, ELISA 1:5000-1:10000

### Background

SPACA3 (sperm acrosome associated 3), also known as sperm lysozyme-like protein 1, lysozyme-like protein 3, lysozyme-like acrosomal sperm-specific secretory protein ALLP-17, cancer/testis antigen 54 (CT54), LYC3, SPRASA or LYZL3, is a 215 amino acid protein that participates in the fusion and adhesion of sperm and egg plasma membrane during fertilization. Identified as a novel cancer/testis antigen in hematologic malignancies, SPACA3 has the ability to elicit B-cell immune responses in patients with cancer and is considered a potential target for immunotherapy. A member of the glycosyl hydrolase 22 family which is expressed in testis, placenta and epididymis, SPACA3 exists as two alternatively spliced isoforms; SPACA3 isoform 1 is a single-pass type II membrane protein of the sperm acrosome whereas SPACA3 isoform 2 is a secreted protein. 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.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.