

精子顶体膜相关蛋白 3 抗体

产品货号： mIR17615

英文名称： SPACA3

中文名称： 精子顶体膜相关蛋白 3 抗体

别名： 1700025M08Rik; ALLP17; Cancer/testis antigen 54; sperm acrosome associated 3; CT54; LYC3; Lysozyme like sperm specific secretory protein ALLP17; Lysozyme-like acrosomal sperm-specific secretory protein ALLP-17; Lysozyme-like protein 3; LYZL3; processed form; SACA3_HUMAN; SLLP1; SPACA3; Sperm acrosome associated 3; Sperm acrosome membrane-associated protein 3; Sperm lysozyme-like protein 1; Sperm protein reactive with antisperm antibodies; Sperm protein reactive with ASA; 1.

研究领域： 肿瘤 细胞生物 发育生物学 信号转导 新陈代谢

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 23kDa

细胞定位： 细胞膜 细胞外基质

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human SPACA3:51-150/215

亚型： IgG

纯化方法： affinity purified by Protein A

储存液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed : PubMed

产品介绍 : SPACA3 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.

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.

Subcellular Location:

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.

Tissue Specificity:

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

Post-translational modifications:

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

Similarity:

Belongs to the glycosyl hydrolase 22 family.

SWISS:

Q8IXA5

Gene ID:

124912

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.