

SPACA1 rabbit monoclonal antibody

Catalog # H00081833-K

Size 100 ug x up to 3

Specification

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| Product Description | Rabbit monoclonal antibody raised against a human SPACA1 peptide using ARM Technology. |
| Immunogen | A synthetic peptide of human SPACA1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence. |
| Host | Rabbit |
| Library Construction | Non-fusion antibody library from rabbit spleen (ARM Technology). |
| Expression | Overexpression vector and transfection into 293H cell line. |
| Reactivity | Human |
| Purification | Protein A |
| Isotype | IgG |
| Quality Control Testing | Antibody reactive against human SPACA1 peptide by ELISA and mammalian transfected lysate by Western Blot. |
| Storage Buffer | In 1x PBS, pH 7.4 |
| Storage Instruction | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |
| Deliverable | Up to three rabbit IgG clones of 100 ug each will be delivered to customer. |
| Note | 1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request. |

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — SPACA1

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| Entrez GeneID | 81833 |
| GeneBank Accession# | SPACA1 |
| Gene Name | SPACA1 |
| Gene Alias | MGC32952, SAMP32 |
| Gene Description | sperm acrosome associated 1 |
| Gene Ontology | Hyperlink |
| Gene Summary | The correlation of anti-sperm antibodies with cases of unexplained infertility implicates a role for these antibodies in blocking fertilization. Improved diagnosis and treatment of immunologic infertility, as well as identification of proteins for targeted contraception, are dependent on the identification and characterization of relevant sperm antigens. The protein expressed by this gene is recognized by anti-sperm antibodies from infertile males. Furthermore, antibodies generated against the recombinant protein block in vitro fertilization. This protein localizes to the acrosomal membrane of spermatids and mature spermatozoa where it is thought to play a role in acrosomal morphogenesis and in sperm-egg binding and fusion, respectively. [provided by RefSeq] |
| Other Designations | OTTHUMP00000016837 sperm acrosomal membrane-associated protein 32 |

Disease

- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)