

SPESP1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP19073b**Specification**

SPESP1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q6UW49](#)**SPESP1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 246777**Other Names**

Sperm equatorial segment protein 1, ESP, Equatorial segment protein, SP-ESP, Glycosylated 38 kDa sperm protein C-7/8, SPESP1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SPESP1 Antibody (C-term) Blocking Peptide - Protein Information**Name** SPESP1 ([HGNC:15570](#))**Function**

Involved in fertilization ability of sperm.

Cellular Location

Cytoplasmic vesicle, secretory vesicle, acrosome. Note=Small proacrosomal granules (during the Golgi phase), enlarged acrosomal vesicles (during the cap phase), acrosome (during the elongating phase), equatorial segment of the acrosome (during the maturation phase) (PubMed:12773409). After acrosome reaction localizes to the equatorial segment region in both noncapacitated and capacitated, acrosome-reacted sperm (By similarity) {ECO:0000250|UniProtKB:Q9D5A0, ECO:0000269|PubMed:12773409}

Tissue Location

Highly expressed in testis, where it is localized in the acrosome of postmeiotic stages of spermiogenesis (round and elongating spermatids and in ejaculated spermatozoa) (at protein level). Poorly expressed in placenta and fetal lung

SPESP1 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

SPESP1 Antibody (C-term) Blocking Peptide - Images**SPESP1 Antibody (C-term) Blocking Peptide - Background**

The encoded protein is a human alloantigen involved insperm-egg binding and fusion.

SPESP1 Antibody (C-term) Blocking Peptide - References

Wolkowicz, M.J., et al. J. Androl. 29(3):272-282(2008)Lamesch, P., et al. Genomics
89(3):307-315(2007)Wolkowicz, M.J., et al. Biol. Reprod. 69(3):735-745(2003)