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SEMG1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP14543a

Specification

SEMG1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P04279

SEMG1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 6406

Other Names
Semenogelin-1, Semenogelin I, SGI, Alpha-inhibin-92, Alpha-inhibin-31, Seminal basic protein, SEMG1, SEMG

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.

SEMG1 Antibody (N-term) Blocking Peptide - Protein Information

Name SEMG1

Synonyms SEMG

Function
Predominant protein in semen. It participates in the formation of a gel matrix entrapping the accessory gland secretions and ejaculated spermatozoa. Fragments of semenogelin and/or fragments of the related proteins may contribute to the activation of progressive sperm movements as the gel-forming proteins are fragmented by KLK3/PSA.

Cellular Location
Secreted.

Tissue Location
Seminal vesicle.

SEMG1 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

SEMG1 Antibody (N-term) Blocking Peptide - Images

SEMG1 Antibody (N-term) Blocking Peptide - Background

The protein encoded by this gene is the predominantprotein in semen. The encoded secreted protein is involved in theformation of a gel matrix that encases ejaculated spermatozoa. Theprostate-specific antigen (PSA) protease processes this proteininto smaller peptides, with each possibly having a separatefunction. The proteolysis process breaks down the gel matrix andallows the spermatozoa to move more freely.

SEMG1 Antibody (N-term) Blocking Peptide - References

Mitra, A., et al. Biol. Reprod. 82(3):489-496(2010)Yoshida, K., et al. Cell Motil. Cytoskeleton 66(2):99-108(2009)Ahmed, S.U., et al. Cytotherapy 11(2):238-244(2009)Edstrom, A.M., et al. J. Immunol. 181(5):3413-3421(2008)Emami, N., et al. J. Biol. Chem. 283(28):19561-19569(2008)