

**SEMG1 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14543a**

**Specification**

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**SEMG1 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P04279</a>
Other Accession	<a href="#">NP_002998.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	52131
Antigen Region	92-121

**SEMG1 Antibody (N-term) - Additional Information**

**Gene ID** 6406

**Other Names**

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

**Target/Specificity**

This SEMG1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 92-121 amino acids from the N-terminal region of human SEMG1.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

SEMG1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**SEMG1 Antibody (N-term) - 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**

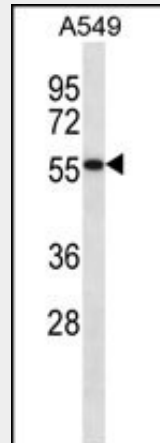
Seminal vesicle.

**SEMG1 Antibody (N-term) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**SEMG1 Antibody (N-term) - Images**



SEMG1 Antibody (N-term) (Cat. #AP14543a) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the SEMG1 antibody detected the SEMG1 protein (arrow).

**SEMG1 Antibody (N-term) - Background**

The protein encoded by this gene is the predominant protein in semen. The encoded secreted protein is involved in the formation of a gel matrix that encases ejaculated spermatozoa. The prostate-specific antigen (PSA) protease processes this protein into smaller peptides, with each possibly having a separate function. The proteolysis process breaks down the gel matrix and allows the spermatozoa to move more freely.

**SEMG1 Antibody (N-term) - 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)