

Rabbit anti-Human, Rat SEMG1 Polyclonal Antibody | anti-SEMG1 antibody

SEMG1 Antibody

CATALOG # AAA327070	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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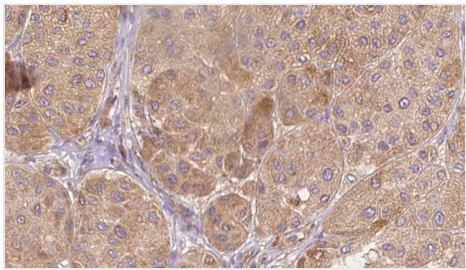
PRODUCT SYNONYMS

SEMG1; Polyclonal Antibody; SEMG1 Antibody; Alpha-Inhibin-31; Alpha-Inhibin-92; Cancer/testis antigen 103; CT103; dJ172H20.2 (semenogelin I); dJ172H20.2; MGC14719; Semen coagulating protein; Semenogelin; Semenogelin I; SEMG; SEMG1_HUMAN; Seminal basic protein; seminal vesicle secretory protein 5; Sgl; Svp-1; Svp5; SVPIIA; Svs2; SVS2P; Svs2p2; Svs5; anti-SEMG1 antibody

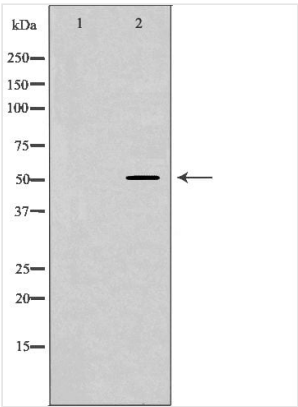
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SEMG1 antibody detects endogenous levels of total SEMG1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	462
Applicable Applications for anti-SEMG1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SEMG1
Subcellular Location	Extracellular Region or Secreted
Tissue Specificity	Seminal vesicle.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
AAA327070 at 1/100 staining Human Melanoma tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of Jurkat cell lysate, using SEMG1 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SEMG1 antibody	Description: 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. 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. Subunit Structure: Occurs in disulfide-linked complexes which may also contain two less abundant 71-and 76-kDa semenogelin-related polypeptides. Interacts with EPPIN (via C-terminus); Cys-239 is a critical amino acid for both binding to EPPIN. Post-translational Modifications: Transglutaminase substrate. Rapidly cleaved after ejaculation by KLK3/PSA, resulting in liquefaction of the semen coagulum and the progressive release of motile spermatozoa. Similarity: Belongs to the semenogelin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506883
NCBI GeneID	6406
NCBI Accession #	NP_002998.1
NCBI GenBank Nucleotide #	NM_003007.4
UniProt Accession #	P04279; Q53ZV0; Q53ZV1; Q53ZV2; Q6X4I9; Q6Y809; Q6Y822; Q6Y823; Q86U64; Q96QM3
Molecular Weight	Observed: 52 kDa Predicted: 53 kDa
NCBI Official Full Name	semenogelin-1 preproprotein
NCBI Official Synonym Full Names	semenogelin 1
NCBI Official Symbol	SEMG1
NCBI Official Synonym Symbols	SGI; SEMG; CT103; dJ172H20.2
NCBI Protein Information	semenogelin-1
UniProt Protein Name	Semenogelin-1
UniProt Gene Name	SEMG1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/semg1-antibody-immunohistochemistry-western-blot-elisa/327070>