

Rabbit SEMG1 Polyclonal Antibody | anti-SEMG1 antibody

SEMG1 Polyclonal Antibody

CATALOG # AAA279950	HOST Rabbit	APPLICATIONS Immunohistochemistry, Western Blot
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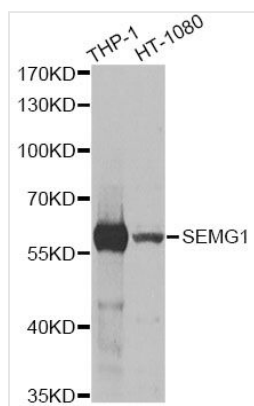
PRODUCT SYNONYMS

SEMG1; Polyclonal Antibody; SEMG1 Polyclonal Antibody; SGI; SEMG; CT103; dJ172H20.2; anti-SEMG1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration	1mg/ml (varies by lot)
Sequence Length	462
Applicable Applications for anti-SEMG1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 24-310 of human SEMG1 (NP_002998.1).
Species Reactivity/Cross-Reactivity	Human, Mouse, Rat
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using SEMG1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-SEMG1 antibody	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. This preproprotein is proteolytically processed by the prostate-specific antigen (PSA) protease to generate multiple peptide products that exhibit distinct functions. One of these peptides, SgI-29, is an antimicrobial peptide with antibacterial activity. This proteolysis process also breaks down the gel matrix and allows the spermatozoa to move more freely. This gene and another similar semenogelin gene are present in a gene cluster on chromosome 20.
Product Categories/Family for anti-SEMG1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	134426
NCBI GeneID	6406
UniProt Accession #	P04279; Q53ZV0; Q53ZV1; Q53ZV2; Q6X4I9; Q6Y809; Q6Y822; Q6Y823; Q86U64; Q96QM3
Molecular Weight	Observed MW: 60kDa Calculated MW:45kDa/52kDa
NCBI Official Full Name	Semenogelin-1
NCBI Official Synonym Full Names	semenogelin I
NCBI Official Symbol	SEMG1
NCBI Official Synonym Symbols	SGI; SEMG; CT103; dJ172H20.2
NCBI Protein Information	semenogelin-1; SgI-29; cancer/testis antigen 103; semen coagulating protein
UniProt Protein Name	Semenogelin-1
UniProt Gene Name	SEMG1
UniProt Synonym Gene Names	SEMG; SGI
UniProt Entry Name	SEMG1_HUMAN

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.