

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

SEMG1 antibody - N-terminal region

CATALOG # AAA199044	HOST Rabbit	REACTIVITY Human, Pig	APPLICATIONS Western Blot, Immunohistochemistry
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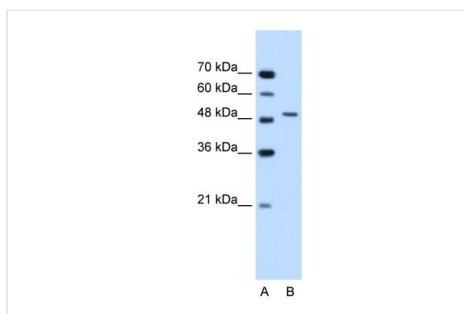
PRODUCT SYNONYMS

SEMG1; Polyclonal Antibody; SEMG1 antibody - N-terminal region; anti-SEMG1 antibody

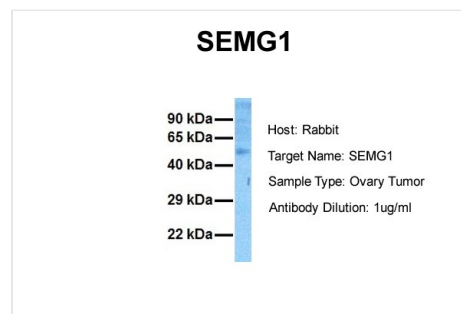
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Pig
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: QK GKQQTESKGS FSIQYTYHVD ANDHDQSRKS QQYDLNALHK TTKSQRHL
Sequence Length	462
Applicable Applications for anti-SEMG1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Human: 100%; Pig: 86%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human SEMG1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

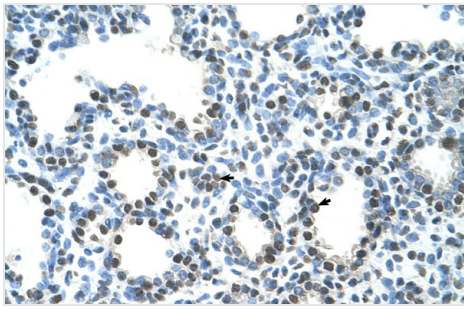
IMAGES


WB (Western Blot)

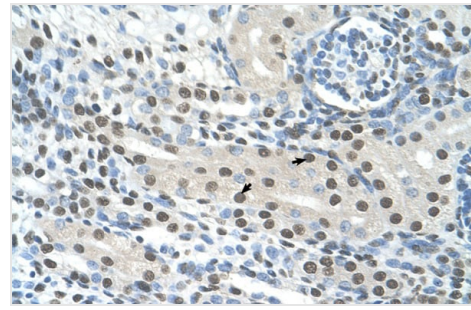
WB Suggested Anti-SEMG1 Antibody Titration: 1.25ug/ml Positive Control: Jurkat cell lysate


WB (Western Blot)

Host: Rabbit Target Name: SEMG1 Sample Tissue: Human Ovary Tumor Antibody Dilution: 1.0ug/ml



IHC (Immunohistochemistry)
Rabbit Anti-SEMG1 AntibodyParaffin Embedded Tissue: Human LungCellular Data: Alveolar cellsAntibody Concentration: 4.0-8.0 ug/mlMagnification: 400X



IHC (Immunohistochemistry)
Rabbit Anti-SEMG1 AntibodyParaffin Embedded Tissue: Human KidneyCellular Data: Epithelial cells of renal tubuleAntibody Concentration: 4.0-8.0 ug/mlMagnification: 400X

ADDITIONAL INFORMATION

Related Product Information for anti-SEMG1 antibody	This is a rabbit polyclonal antibody against SEMG1. It was validated on Western Blot and immunohistochemistry Target Description: SEMG1 is the predominant protein in semen. The 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. 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. Two transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-SEMG1 antibody	Polyclonal ; Signal Proteins ; Disease Related ; Tissue Specific & Cell Marker ; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506883
NCBI GeneID	6406
NCBI Accession #	NP_002998
NCBI GenBank Nucleotide #	NM_003007
UniProt Accession #	P04279
Molecular Weight	51kDa
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
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.

