Datasheet for ABIN2777138

anti-SEMG1 antibody (C-Term)

1 Image

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Overview

Quantity:	100 µL
Target:	SEMG1
Binding Specificity:	C-Term
Reactivity:	Human, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SEMG1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human SEMG1
Sequence:	GENGVQKDVS QSSIYSQTEE KAQGKSQKQI TIPSQEQEHS QKANKISYQS
Predicted Reactivity:	Human: 100%, Pig: 77%
Characteristics:	This is a rabbit polyclonal antibody against SEMG1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	SEMG1
Alternative Name:	SEMG1 (SEMG1 Products)

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Target Details

Background:	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. Alias Symbols: MGC14719, SEMG, SGI, CT103, dJ172H20.2 Protein Interaction Partner: FBXW4, SUMO2, PIK3R2, UBQLN4, CDK2, UBC, TGM1, SEMG2, PRKCA, KLK3, KLK2, Protein Size: 462
Molecular Weight:	51 kDa
Gene ID:	6406
NCBI Accession:	NM_003007, NP_002998
UniProt:	P04279

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 462 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

Western Blotting

Image 1. WB Suggested Anti-SEMG1 Antibody Titration: 1.25ug/ml Positive Control: Jurkat cell lysate