



SEMG1 mouse mAb

Catalog No	BYmab-11805
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	SEMG1 SEMG
Protein Name	SEMG1
Immunogen	Synthesized peptide derived from human SEMG1 AA range: 224-274
Specificity	This antibody detects endogenous levels of SEMG1 at Human
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	51kD
Cell Pathway	Secreted.
Tissue Specificity	Seminal vesicle.
Function	function:Alpha-inhibin-92 and alpha-inhibin-31, derived from the proteolytic degradation of semenogelin, inhibit the secretion of pituitary follicle-stimulating hormone.,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.,online information:Shackled sperm - Issue 62 of September 2005,PTM:Rapidly cleaved after ejaculation by KLK3/PSA, resulting in liquefaction of the semen coagulum and the progressive release of motile spermatozoa.,PTM:Transglutaminase substrate.,similarity:Belongs to the semenogelin family.,subunit:Occurs in disulfide-linked complexes which may also contain two less abundant 71- and 7

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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. 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, Sgl-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. [provided by RefSeq, Feb 2016],

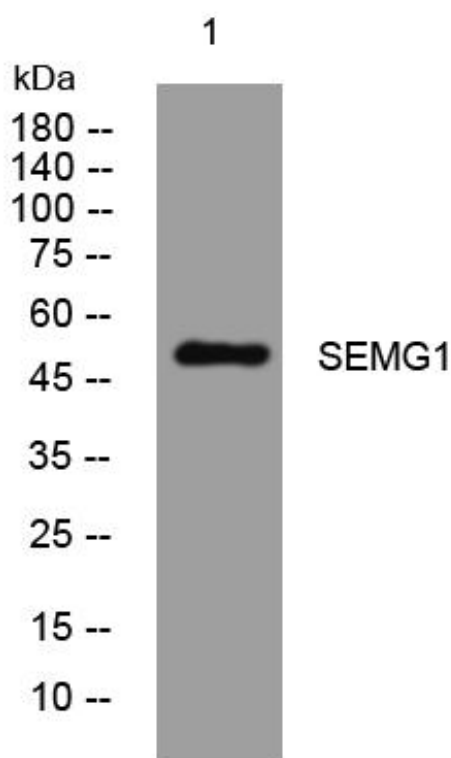
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using SEMG1 mouse mAb