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SEMG2 Rabbit pAb

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Catalog # AP58229

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q02383
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	65444
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SEMG2
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
SUBCELLULAR LOCATION	Secreted.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The secreted protein encoded by this gene is involved in the formation of a gel matrix that encases ejaculated spermatozoa. Proteolysis by the prostate-specific antigen (PSA) breaks down the gel matrix and allows the spermatozoa to move more freely. The encoded protein is found in lesser abundance than a similar semenogelin protein. An antibacterial activity has been found for a antimicrobial peptide isolated from this protein. The genes encoding these two semenogelin proteins are found in a cluster on chromosome 20. [provided by RefSeq, Jan 2015]

Additional Information

Gene ID	6407
Other Names	Semenogelin-2, Semenogelin II, SGII, SEMG2
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SEMG2

Function	Participates in the formation of a gel matrix (sperm coagulum) entrapping the accessory gland secretions and ejaculated spermatozoa.
Cellular Location	Secreted.
Tissue Location	Seminal vesicles, and to a much lesser extent, epididymis

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.