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Prostate Secretory Protein/PSP Rabbit pAb

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Catalog # AP57434

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P08118
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	12865
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Prostate Secretory Protein
Epitope Specificity	51-114/114
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted. Sperm surface.
DISEASE	Defects in MSMB are the cause of susceptibility to prostate cancer hereditary type 13 (HPC13) [MIM:611928]. It is a condition associated with familial predisposition to cancer of the prostate. Most prostate cancers are adenocarcinomas that develop in the acini of the prostatic ducts. Other rare histopathologic types of prostate cancer that occur in approximately 5% of patients include small cell carcinoma, mucinous carcinoma, prostatic ductal carcinoma, transitional cell carcinoma, squamous cell carcinoma, basal cell carcinoma, adenoid cystic carcinoma (basaloid), signet-ring cell carcinoma and neuroendocrine carcinoma.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	bs-19185P is one synthetic peptide derived from human Prostate Secretory Protein. The protein encoded by this gene is a member of the immunoglobulin binding factor family. It is synthesized by the epithelial cells of the prostate gland and secreted into the seminal plasma. This protein has inhibin-like activity. It may have a role as an autocrine paracrine factor in uterine, breast and other female reproductive tissues. The expression of the encoded protein is found to be decreased in prostate cancer. Two alternatively spliced transcript variants encoding different isoforms are described for this gene. The use of alternate polyadenylation sites has been found for this gene. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	4477
Other Names	Beta-microseminoprotein, Immunoglobulin-binding factor, IGBF, PN44,

	Prostate secreted seminal plasma protein, Prostate secretory protein of 94 amino acids, PSP-94, PSP94, Seminal plasma beta-inhibin, MSMB, PRSP
Dilution	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	MSMB
Synonyms	PRSP
Cellular Location	Secreted. Note=Sperm surface.
Tissue Location	Strongly expressed in prostate, liver, kidney, breast and penis. Also expressed in pancreas, esophagus, stomach, deodenum, colon, trachea, lung, salivary glands and fallopian tube PSP94 is expressed in lung and breast, whereas PSP57 is found in kidney and bladder.

Background

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