

Prostate Secretory Protein/PSP Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57434**Specification****Prostate Secretory Protein/PSP Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	P08118
Host	Rabbit
Clonality	Polyclonal
Calculated MW	11 KDa
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.
SIMILARITY	Belongs to the beta-microseminoprotein family.
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]

Prostate Secretory Protein/PSP Polyclonal Antibody - 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

Target/Specificity

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.

Dilution

IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200
ICC~~N/A
E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

Prostate Secretory Protein/PSP Polyclonal Antibody - 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.

Prostate Secretory Protein/PSP Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Prostate Secretory Protein/PSP Polyclonal Antibody - Images