

anti-Human, Rat PSA Polyclonal Antibody | anti-PSA antibody

Anti-PSA Antibody

CATALOG # AAA46537	REACTIVITY Human, Rat	APPLICATIONS Western Blot
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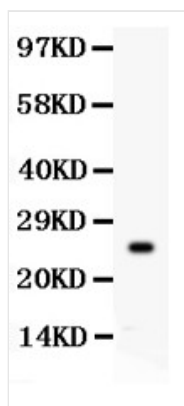
PRODUCT SYNONYMS

PSA; Polyclonal Antibody; Anti-PSA Antibody; Prostate-specific antigen; antigen; prostate-specific; APS; Gamma seminoprotein; Gamma-seminoprotein; hK3; Kallikrein 3; (prostate specific antigen); Kallikrein related peptidase 3; Kallikrein-3; KLK 3; KLK2A1; KLK3; KLK3_HUMAN; P 30 antigen; P-30 antigen; P30 antigen; Prostate Specific Antigen; Semenogelase; Semin; kallikrein-related peptidase 3; anti-PSA antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ N.
Sequence Length	238
Applicable Applications for anti-PSA antibody	WB (Western Blot)
Immunogen	E Coli-derived human PSA recombinant protein (Position: I25-P261). Human PSA shares 54% amino acid (aa) sequence identity with rat PSA.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Anti- PSA Picoband antibody, AAA46537, Western blottingAll lanes: Anti PSA (AAA46537) at 0.5ug/mlWB: Recombinant Human PSA Protein 0.5ngPredicted bind size: 25KDObserved bind size: 25KD

ADDITIONAL INFORMATION

Related Product Information for anti-PSA antibody	Description: Rabbit IgG polyclonal antibody for Prostate-specific antigen(KLK3) detection. Tested with WB in Human;Rat. Background: Prostate-specific antigen (PSA), also known as gamma-seminoprotein or kallikrein-3 (KLK3), is a glycoprotein enzyme encoded in humans by the KLK3 gene. KLK3 is a member of the kallikrein-related peptidase family and is secreted by the epithelial cells of the prostate gland. This gene is mapped to 19q13.33. KLK3 is present in small quantities in the serum of men with healthy prostates, but is often elevated in the presence of prostate cancer or other prostate disorders. KLK3 is produced for the ejaculate where it liquifies the semen in the seminal coagulum and allows sperm to swim freely. It is also believed to be instrumental in dissolving the cervical mucous cap, allowing the entry of sperm. It is not a unique indicator of prostate cancer, but may also detect prostatitis or benign prostatic hyperplasia.
References	1. Balk SP, Ko YJ, Bubley GJ (January 2003). "Biology of prostate-specific antigen". J. Clin. Oncol. 21 (2): 383-91. 2. Catalona, W. J.; Richie, J. P.; Ahmann, F. R.; Hudson, M. A.; Scardino, P. T.; Flanigan, R. C.; Dekernion, J. B.; Ratliff, T. L.; Kavoussi, L. R.; Dalkin, B. L. (1994). "Comparison of digital rectal examination and serum prostate specific antigen in the early detection of prostate cancer: Results of a multicenter clinical trial of 6,630 men". The Journal of urology 151 (5): 1283-1290. 3. Lilja H (November 2003). "Biology of prostate-specific antigen". Urology 62 (5 Suppl 1): 27-33. doi:10.1016/S0090-4295(03)00775-1.

NCBI AND UNIPROT INFORMATION

NCBI GI #	71834853
NCBI GeneID	354
NCBI Accession #	NP_001025218.1
NCBI GenBank Nucleotide #	NM_001030047.1
UniProt Accession #	P07288 ; Q15096 ; Q16272 ; Q86TG8 ; Q8IXI4 ; C9JXH3 ; G3V0H4 ; G3XAE3
NCBI Official Full Name	prostate-specific antigen isoform 3 preproprotein
NCBI Official Synonym Full Names	kallikrein related peptidase 3
NCBI Official Symbol	KLK3
NCBI Official Synonym Symbols	APS; PSA; hK3; KLK2A1
NCBI Protein Information	prostate-specific antigen
UniProt Protein Name	Prostate-specific antigen
UniProt Gene Name	KLK3
UniProt Synonym Gene Names	APS; PSA; Semin
UniProt Entry Name	KLK3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.