



Prostate-Specific Antigen(PSA) (ABT-PSA) mouse mAb

Catalog No	YP-Ab-15197
Isotype	IgG
Reactivity	Human; Predict react with Mouse, Rat
Applications	IHC;WB;IF
Gene Name	KLK3 APS
Immunogen	Synthesized peptide derived from human Prostate-Specific Antigen(PSA)
Specificity	This antibody detects endogenous levels of human Prostate-Specific Antigen(PSA). Heat-induced epitope retrieval (HIER) TRIS-EDTA of pH8.0 was highly recommended as antigen repair method in paraffin se
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Mouse, Monoclonal/IgG1, Kappa
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:100-500, WB 1:200-1000. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EC:2.6.1.52;EPIP;Phosphoserine aminotransferase;PSA;PSAT;KLK3 APS; Prostate-specific antigen (PSA) (EC 3.4.21.77) (Gamma-seminoprotein) (Seminin) (Kallikrein-3) (P-30 antigen) (Semenogelase)
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Secreted.
Tissue Specificity	Leukocyte,PNS,Prostate,
Function	catalytic activity:Preferential cleavage: -Tyr- -Xaa-.,function:Hydrolyzes semenogelin-1 thus leading to the liquefaction of the seminal coagulum.,online information:Prostate-specific antigen entry,similarity:Belongs to the peptidase S1 family.,similarity:Belongs to the peptidase S1 family. Kallikrein subfamily.,similarity:Contains 1 peptidase S1 domain.,

**Background**

Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Its protein product is a protease present in seminal plasma. It is thought to function normally in the liquefaction of seminal coagulum, presumably by hydrolysis of the high molecular mass seminal vesicle protein. Serum level of this protein, called PSA in the clinical setting, is useful in the diagnosis and monitoring of prostatic carcinoma. Alternate splicing of this gene generates several transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008],

matters needing attention

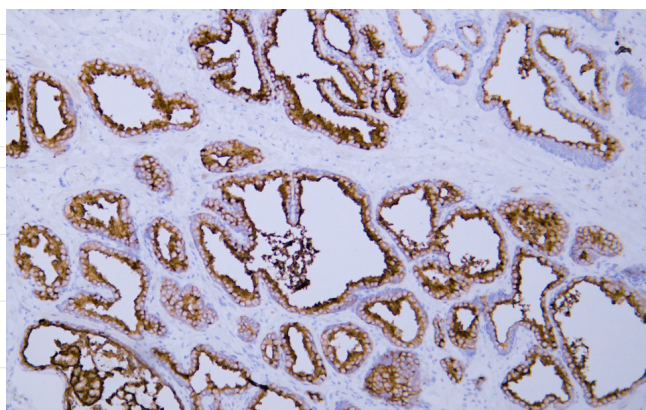
Avoid repeated freezing and thawing!

Usage suggestions

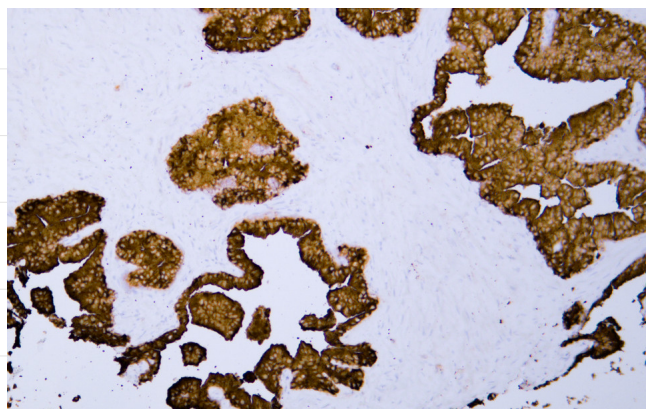
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



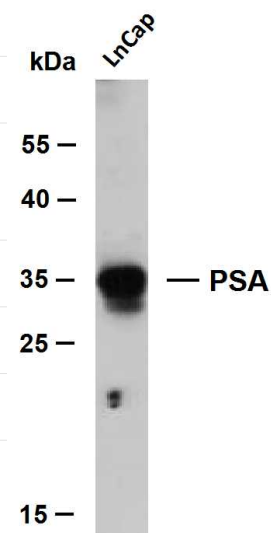
Products Images



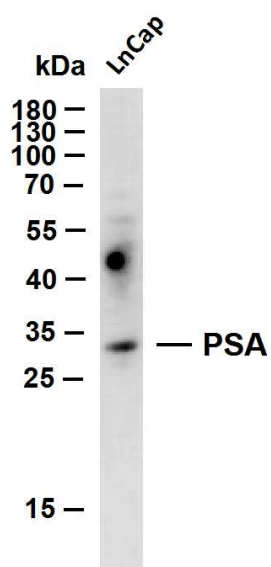
Human prostate tissue was stained with Anti-Prostate-Specific Antigen (ABT-PSA) Antibody



Human prostatic adenocarcinoma tissue was stained with Anti-Prostate-Specific Antigen (ABT-PSA) Antibody



Whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-PSA (ABT-PSA) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: LnCap Predicted band size: 28kDa Observed band size: 35kDa



LnCap whole cell lysates were separated by 12% SDS-PAGE, and the membrane was blotted with anti-PSA(ABT-PSA)antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: LnCap Predicted band size: 28kDa Observed band size: 28kDa