

PSA Polyclonal Antibody

Catalog No: YT3876

Reactivity: Human; Rat; Mouse;

Applications: WB;IHC;IF;ELISA

Target: PSA

Fields: >>Pathways in cancer;>>Prostate cancer

Gene Name: KLK3

Protein Name : Prostate-specific antigen

P07288

Human Gene Id: 354

Human Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from human

Prostate-specific Antigen. AA range:81-130

Specificity: PSA Polyclonal Antibody detects endogenous levels of PSA protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source : Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not

yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 34kD



Cell Pathway: Pathways in cancer; Prostate cancer;

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],

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

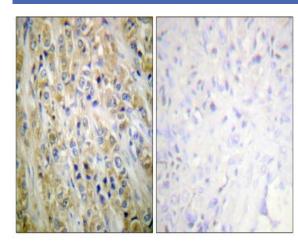
subfamily., similarity: Contains 1 peptidase S1 domain.,

Subcellular Location :

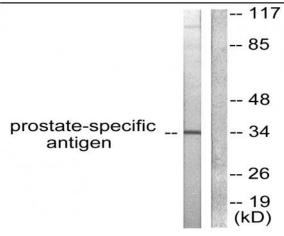
Secreted.

Expression: Leukocyte, PNS, Prostate,

Products Images



Immunohistochemistry analysis of paraffin-embedded human prostate carcinoma tissue, using Prostate-specific Antigen Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from mouse heart cells, using Prostate-specific Antigen Antibody. The lane on the right is blocked with the synthesized peptide.