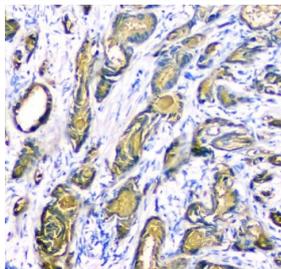


Prostate Specific Antigen Rabbit Polyclonal / PSA KLK3 Antibody (R31672)

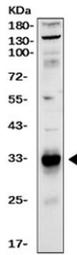
Catalog No.	Formulation	Size
R31672	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P07288
Gene ID	354
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This PSA antibody is available for research use only.



Prostate Specific Antigen Rabbit Polyclonal IHC staining of human prostate cancer. Immunohistochemistry analysis of FFPE human prostate carcinoma using Prostate Specific Antigen Rabbit Polyclonal demonstrates HRP-DAB brown cytoplasmic staining in malignant glandular epithelial cells forming irregular tumor glands, consistent with Prostate specific antigen (KLK3) expression in prostate-derived tumor epithelium. Surrounding stromal cells are largely negative. HIER: tissue sections were boiled in pH 8 EDTA buffer for 20 minutes and allowed to cool before testing.



Western blot testing of human LNCaP cell lysate with PSA antibody. Expected molecular weight: 30~34 kDa.

Description

Prostate-specific antigen (PSA), also known as gamma-seminoprotein or kallikrein-3 (KLK3), is a glycoprotein enzyme encoded in humans by the KLK3 gene. It 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. PSA 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. It 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. PSA level is not a unique indicator of prostate cancer, but may also detect prostatitis or benign prostatic hyperplasia.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Prostate Specific Antigen Rabbit Polyclonal may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 25-261) was used as the immunogen for this PSA antibody.

Storage

After reconstitution, the PSA antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Alternate Names

PSA antibody, KLK3 antibody, Kallikrein related peptidase 3 antibody, Human prostate specific antigen antibody