

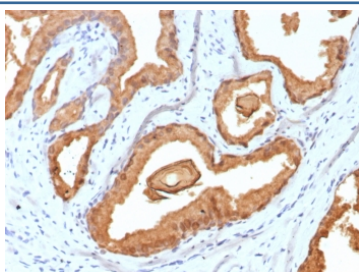
Prostate Specific Antigen Antibody / PSA [clone rKLK3/6947] (V4646)

Catalog No.	Formulation	Size
V4646-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4646-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4646SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

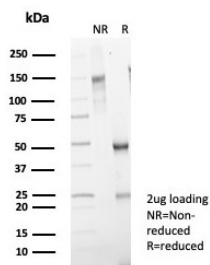
Recombinant **MOUSE MONOCLONAL**

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Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rKLK3/6947
Purity	Protein A/G affinity
UniProt	P07288
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Prostate Specific Antigen antibody is available for research use only.



IHC staining of FFPE human prostate carcinoma tissue with Prostate Specific Antigen antibody (clone rKLK3/6947). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Prostate Specific Antigen antibody (clone rKLK3/6947) as confirmation of integrity and purity.

Description

Recognizes a single protein of 33-34kDa, identified as the prostate specific antigen (PSA). This mAb is highly specific to PSA and stains prostatic secretory and ductal epithelium in both normal and neoplastic tissues. PSA is a chymotrypsin-like serine protease (kallikrein family) exclusively produced by the prostate epithelium, and abundant in seminal fluid. PSA can be detected in the sera of patients with prostatic carcinoma. It is predominantly complexed to a liver-derived serine protease inhibitor, alpha-1-antichymotrypsin (ACT). A higher proportion of serum PSA is complexed to ACT in prostate cancer than in benign prostate hyperplasia. This mAb makes an excellent pair with mAb 1A7G6B6 for PSA tests.

Application Notes

Optimal dilution of the Prostate Specific Antigen antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 150-250) from the human protein was used as the immunogen for the Prostate Specific Antigen antibody.

Storage

Aliquot the Prostate Specific Antigen antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.