

Prostate Specific Antigen (PSA) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone KLK3/801 + KLK3/1248] Catalog # AH11570

Product Information

Application IF, FC, IHC-P
Primary Accession P07288
Other Accession 354, 171995
Reactivity Human
Host Mouse
Clonality Monoclonal
Isotype Mouse / IgG's

Clone Names KLK3/801 + KLK3/1248

Calculated MW 28741

Additional Information

Gene ID 354

Other Names Prostate-specific antigen, PSA, 3.4.21.77, Gamma-seminoprotein, Seminin,

Kallikrein-3, P-30 antigen, Semenogelase, KLK3, APS

Application Note IF~~1:50~200 FC~~1:10~50 IHC-P~~N/A

Storage Store at 2 to 8°C.Antibody is stable for 24 months.

Precautions Prostate Specific Antigen (PSA) Antibody - With BSA and Azide is for research

use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name KLK3

Synonyms APS

Function Hydrolyzes semenogelin-1 thus leading to the liquefaction of the seminal

coagulum.

Cellular Location Secreted.

Background

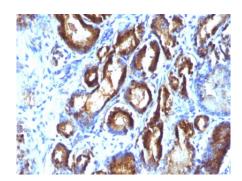
Recognizes a single protein of 33-34kDa, identified as the prostate specific antigen (PSA). This MAb is highly

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.

References

ISOBM TD-3 Workshop, Tum. Biol. 20 (S1), pp 1-94, Eds. Rye P.D. et al. (1999). Huang et al. Prostate-specific antigen immunosensing based on mixed self-assembled monolayers, camel antibodies and colloidal gold enhanced sandwich assays. Biosensors and Bioelectronics. 21/3; 483-490 (2005)

Images



Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with PSA Monoclonal Antibody (KLK3/801 + KLK3/1248).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.