

Anti-PSA Mouse mAb

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AP53491

Product Information

Primary Accession	P07288
Host	Mouse
Clonality	Monoclonal Antibody
Isotype	Mouse IgG1
Immunogen	Purified recombinant fragment of KLK3 (aa26-251) expressed in E. Coli.
Purification	Acites
Calculated MW	28741
Antigen Region	aa26-251

Additional Information

Gene ID	354
Other Names	APS; PSA; hK3; KLK2A1; KLK3
Format	Ascitic fluid containing 0.09% (W/V) sodium azide.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

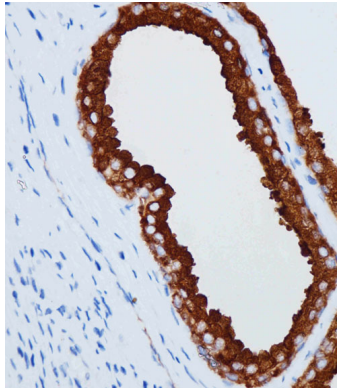
Name	KLK3
Synonyms	APS
Function	Hydrolyzes semenogelin-1 thus leading to the liquefaction of the seminal coagulum.
Cellular Location	Secreted.

Background

Kallikrein-related peptidase 3. 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.

Images



Immunohistochemical analysis of PSA in Human prostate carcinoma sections(IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde at room temperature; antigen retrieval was by heat mediation with a EDTA buffer (pH9.0). Samples were incubated with primary antibody (1/1000) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.

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