

Product Datasheet

Prostate-Specific Antigen Mouse mAb

Catalog No: AB3441

Reactivity: Human

Isotype: Mouse IgG1

Applications: WB,FC



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Information

UniProt ID: P07288

All Names: APS; PSA; hK3; KLK2A1

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: kDa

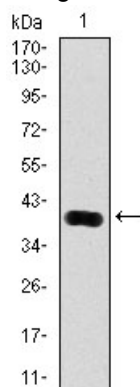
Application

WB: 1/500-1/1000

FC: 1/50-1/100

Background

Swiss-Prot Acc.P07288. 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.



Western blot analysis using KLK3 mAb against human KLK3 (AA: 109-216) recombinant protein. (Expected MW is 37.2 kDa)

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