

激肽释放酶 3 舒血管素 3 抗体

产品货号： mlR1964

英文名称： KLK3/PSA

中文名称： 激肽释放酶 3/舒血管素 3 抗体

别名： Kallikrein 3; Kallikrein-3; APS; Gamma seminoprotein; hK3; Kallikrein related peptidase 3; KLK 3; KLK-3; KLK2A1; P 30 antigen; P30 antigen; Prostate Specific Antigen; Semenogelase; Semin; KLK3_HUMAN; Prostate-specific antigen; P-30 antigen.

研究领域： 肿瘤 细胞生物 信号转导 激酶和磷酸酶

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 23kDa

细胞定位： 分泌型蛋白

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human KLK3:181-261/261

亚 型 : IgG

纯化方法 : affinity purified by Protein A

储 存 液 : 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件 : Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed : PubMed

产品介绍 : 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. [provided by RefSeq, Jul 2008].

Function:

Hydrolyzes semenogelin-1 thus leading to the liquefaction of the seminal coagulum.

Subunit:

Forms heterodimer with SERPINA5.

Subcellular Location:

Secreted.

Tissue Specificity:

Prostate.

Similarity:

Belongs to the peptidase S1 family. Kallikrein subfamily.

Contains 1 peptidase S1 domain.

SWISS:

P07288

Gene ID:

354

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

KLK3 目前认为是前列腺癌很有意义的特异性标志物。激肽释放酶 KLK 是激肽系统的主要限速酶，它是一组存在于多数组织和体液中的丝氨酸蛋白酶，是一种肽链内切酶。KLK 又称血管舒缓素，包括 15 个家族成员。在不同的组织中广泛表达，具有蛋白水解酶的活性。它特异性的在碳末端切割底物肽，可裂解激肽原释放具有活性的激肽，由激肽发挥对心血管系统及肾脏功能的调节作用。

组织 KLK 是一个大的基因家族，主要分布在肺、肾、血管、脑、肾上腺组织，为一种中等大小的糖蛋白。