KLK3 monoclonal antibody, clone 906 (HRP)

Catalog # MAB5437 Size

Specification

Product Description	Mouse monoclonal antibody raised against KLK3.
Immunogen	Human KLK3.
Host	Mouse
Reactivity	Human
Specificity	human Prostate-specific antigen. No cross reactivity with human Albumin, AFP, CEA, PAP, CA-125, CA 19-9 or CA 15-3.
Form	Liquid
Conjugation	HRP
Isotype	IgG1
Recommend Usage	ELISA (>1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM potassium phosphate buffer, 0.085% NaCl, pH 7.2 (BSA, proclin)
Storage Instruction	Store at 4°C. Do not freeze.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Enzyme Immunoassay

Gene Info — KLK3

Entrez GeneID	354

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Gene Name	KLK3
Gene Alias	APS, KLK2A1, PSA, hK3
Gene Description	kallikrein-related peptidase 3
Omim ID	176820
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	P-30 antigen|gamma-seminoprotein|kallikrein 3, (prostate specific antigen)|prostate specific antigen|semenogelase|seminin

Pathway

- Pathways in cancer
- Prostate cancer

Disease

- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Diabetes Mellitus
- Disease Progression
- Edema
- Genetic Predisposition to Disease
- Lymphatic Metastasis

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- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms

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