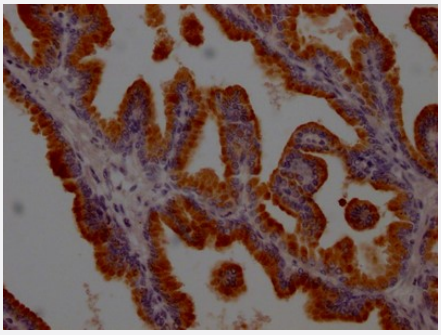
RecomAb™ Sm Size

KLK3 recombinant monoclonal antibody, clone 7D4

Catalog # RAB08021 Size 50 uL

Applications



Immunohistochemistry

Immunohistochemistry image of KLK3 recombinant monoclonal antibody, clone 7D4 diluted at 1:100 and staining in paraffin-embedded human prostate tissue performed on a Leica Bond™ system.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human KLK3.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human KLK3.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity-chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)

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Storage Instruction	store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry

  Immunohistochemistry image of KLK3 recombinant monoclonal antibody, clone 7D4 diluted at 1:100 and staining in paraffin-embedded human prostate tissue performed on a Leica Bond™ system.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — KLK3

Entrez GeneID	354
Protein Accession#	P07288
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 ev idence 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 sem inal plasma. It is thought to function normally in the liquefaction of seminal coagulum, presumably b y 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. Altern ate splicing of this gene generates several transcript variants encoding different isoforms. [provid ed by RefSeq
Other Designations	P-30 antigen|gamma-seminoprotein|kallikrein 3, (prostate specific antigen)|prostate specific antig en|semenogelase|seminin

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Pathway

- Pathways in cancer
- Prostate cancer

Disease

- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Diabetes Mellitus
- Disease Progression
- Edema
- Genetic Predisposition to Disease
- Lymphatic Metastasis
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms

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