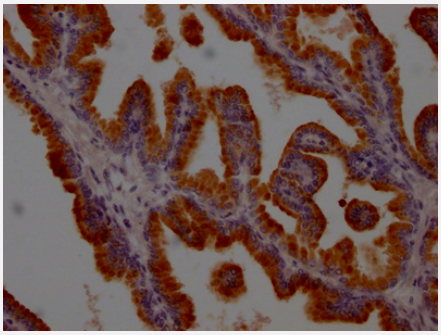
RecomAb™

# KLK3 recombinant monoclonal antibody, clone 7D4

Catalog # RAB04006 Size 100 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 BondTM 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<br>Immunohistochemistry (1:50-1:200)<br>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.<br>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 BondTM 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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