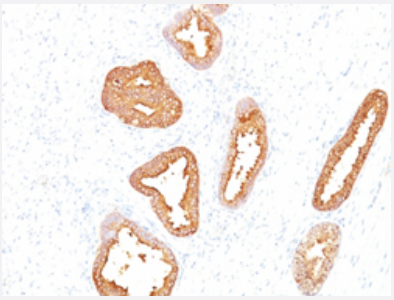
KLK3 monoclonal antibody, clone A67-B/E3

Catalog # MAB21253 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human prostate cancer with KLK3 monoclonal antibody, clone A67-B/E3 (Cat # MAB21253).

Specification

Product Description	Mouse monoclonal antibody raised against human KLK3.
Immunogen	PSA (p30) from human sperm plasma.
Host	Mouse
Theoretical MW (kDa)	33-34
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10^6 cells in 0.1 mL) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.25-0.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).

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Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human prostate cancer with KLK3 monoclonal antibody, clone A67-B/E3 (Cat # MAB21253).

- Immunofluorescence

- Flow Cytometry

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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