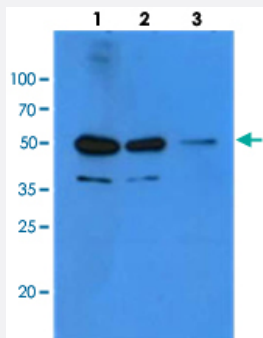


KLK3 monoclonal antibody, clone AT1D10

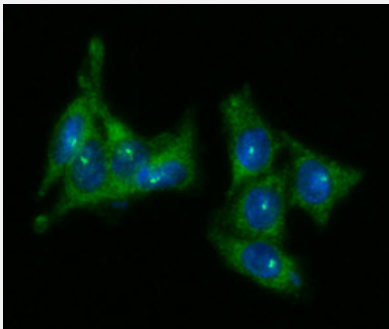
Catalog # MAB11194 Size 100 uL

Applications



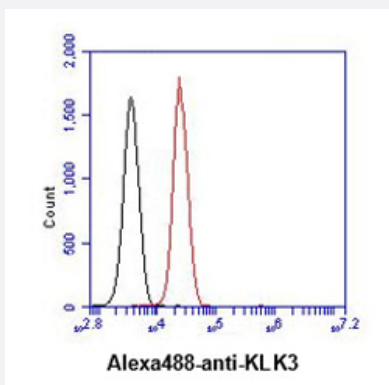
Western Blot (Cell lysate)

Western blot analysis of PC-3 cell lysate (40 ug) by using KLK3 monoclonal antibody, clone AT1D10 (Cat # MAB11194) (1:500-1:5000). Lane1 : 1:500. Lane2 : 1:1000. Lane 3 : 1:5000.



Immunofluorescence

Immunofluorescence analysis of KLK3 in LNCap cells. The cell was stained with KLK3 monoclonal antibody, clone AT1D10 (Cat # MAB11194) (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



Flow Cytometry

Flow cytometry analysis of KLK3 in LNCaP cell line, staining at 2-5 ug for 1x10⁶ cells. The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).

Specification

Product Description

Mouse monoclonal antibody raised against partial recombinant KLK3.

Immunogen	Recombinant protein corresponding to amino acids 25-261 of human KLK3.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Concentration	1 mg/mL
Isotype	IgG1, kappa
Recommend Usage	ELISA Flow Cytometry Immunocytochemistry Immunofluorescence Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of PC-3 cell lysate (40 ug) by using KLK3 monoclonal antibody, clone AT1D10 (Cat # MAB11194) (1:500-1:5000). Lane1 : 1:500. Lane2 : 1:1000. Lane 3 : 1:5000.

- Immunocytochemistry

- Immunofluorescence

Immunofluorescence analysis of KLK3 in LNCap cells. The cell was stained with KLK3 monoclonal antibody, clone AT1D10 (Cat # MAB11194) (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometry analysis of KLK3 in LNCaP cell line, staining at 2-5 ug for 1×10^6 cells. The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).

Gene Info — KLK3

Entrez GeneID	354
Protein Accession#	P07288; NP_001639
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](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)