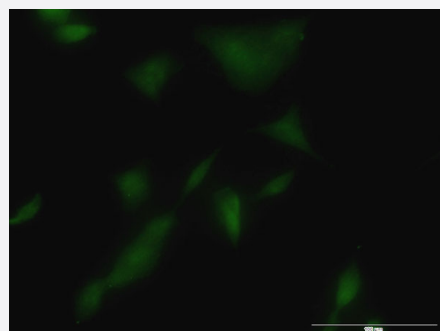


KLK3 monoclonal antibody (M02), clone 1B1

Catalog # H00000354-M02

Size 100 ug

Applications



Immunofluorescence

Immunofluorescence of monoclonal antibody to KLK3 on A-549 cell . [antibody concentration 10 ug/ml]

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant KLK3.
Immunogen	KLK3 (AAH05307, 1 a.a. ~ 261 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MWVPVVFLLSVTWIGAAPLILSRVGGWECEKHSQPWQVLVASRGRAVCGGVLVHPQWVLTAACHIRNKSVILLGRHSLFHPEDTGQVFQVSHSFPHPLYDVSLLKNRFLRPGDDSSHDLMLRLSEP AELTDAVKVMDLPTQEPALGTTTCYASGWGSIEPEEFLTPKKLQCVDLHVISNDVCAQVHPQKVTK LMLCAGRWTGGKSTCSGDSGGPLVCNGVLQGITSWGSEPCALPERPSLYTKVVHYRKWIKDTV ANP
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA
- Immunofluorescence

Immunofluorescence of monoclonal antibody to KLK3 on A-549 cell . [antibody concentration 10 ug/ml]

Gene Info — KLK3

Entrez GeneID [354](#)

GeneBank Accession# [BC005307](#)

Protein Accession# [AAH05307](#)

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](#)