

KLK3 monoclonal antibody, clone B2635M (HRP)

Catalog # MAB5475

Size 1 mg

Specification

Product Description	Mouse monoclonal antibody raised against native KLK3.
Immunogen	Native purified KLK3 from human seminal plasma.
Host	Mouse
Reactivity	Human
Specificity	Specific for total PSA in equimolar determination, epitope 6. No cross-reactivity with human kallikrein 2.
Form	Liquid
Conjugation	HRP
Isotype	IgG2a
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol, 5% BSA, 0.05% proclin 300)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Enzyme Immunoassay

Gene Info — KLK3

Entrez GeneID [354](#)

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](#)