

## KLK3 monoclonal antibody

Catalog # MAB1402

Size 1 mg

### Specification

|                                |                                                                                                                        |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Mouse monoclonal antibody raised against native KLK3.                                                                  |
| <b>Immunogen</b>               | Native purified human KLK3.                                                                                            |
| <b>Host</b>                    | Mouse                                                                                                                  |
| <b>Reactivity</b>              | Human                                                                                                                  |
| <b>Specificity</b>             | This antibody is specific to KLK3. No cross-reactivity with human albumin, AFP, CEA, PAP, CA 125, CA 15-3, or CA 19-9. |
| <b>Form</b>                    | Liquid                                                                                                                 |
| <b>Isotype</b>                 | IgG2a                                                                                                                  |
| <b>Quality Control Testing</b> | Antibody Reactive Against Native Purified Protein.                                                                     |
| <b>Recommend Usage</b>         | The optimal working dilution should be determined by the end user.                                                     |
| <b>Storage Buffer</b>          | In 15 mM KPO <sub>4</sub> buffer, 0.85% NaCl, pH 7.4 (0.09% sodium azide)                                              |
| <b>Storage Instruction</b>     | Store at 4°C.                                                                                                          |
| <b>Note</b>                    | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

### Applications

- Immunohistochemistry
- Sandwich ELISA

### Gene Info — KLK3

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| Entrez GeneID      | <a href="#">354</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Name          | KLK3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Alias         | APS, KLK2A1, PSA, hK3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Description   | kallikrein-related peptidase 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Omim ID            | <a href="#">176820</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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](#)