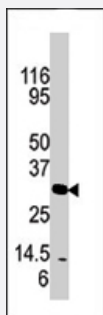


# KLK3 polyclonal antibody

Catalog # PAB4401

Size 400 uL

## Applications



### Western Blot (Tissue lysate)

Western blot analysis of KLK3 polyclonal antibody (Cat # PAB4401) in mouse brain tissue lysate . KLK3 (arrow) was detected using the purified KLK3 polyclonal antibody (Cat # PAB4401) .

## Specification

|                            |                                                                                                                        |
|----------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit polyclonal antibody raised against synthetic peptide of KLK3.                                                   |
| <b>Immunogen</b>           | A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human KLK3.                                   |
| <b>Host</b>                | Rabbit                                                                                                                 |
| <b>Reactivity</b>          | Human                                                                                                                  |
| <b>Form</b>                | Liquid                                                                                                                 |
| <b>Purification</b>        | Ammonium sulfate precipitation                                                                                         |
| <b>Recommend Usage</b>     | ELISA (1:1000)<br>Western Blot (1:100-500)<br>The optimal working dilution should be determined by the end user.       |
| <b>Storage Buffer</b>      | In PBS (0.09% sodium azide)                                                                                            |
| <b>Storage Instruction</b> | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                 |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

## Applications

- Western Blot (Tissue lysate)

Western blot analysis of KLK3 polyclonal antibody (Cat # PAB4401) in mouse brain tissue lysate . KLK3 (arrow) was detected using the purified KLK3 polyclonal antibody (Cat # PAB4401) .

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — KLK3

|               |                     |
|---------------|---------------------|
| Entrez GeneID | <a href="#">354</a> |
|---------------|---------------------|

|                    |                                  |
|--------------------|----------------------------------|
| Protein Accession# | <a href="#">NP_001639:P07288</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 |
|--------------------|---------------------------------------------------------------------------------------------------------------------------|

## Publication Reference

- [Polymorphic forms of prostate specific antigen and their interaction with androgen receptor trinucleotide repeats in prostate cancer.](#)

Binnie MC, Alexander FE, Heald C, Habib FK.

The Prostate 2005 Jun; 63(4):309.

- [Serenoa repens \(Permixon\) inhibits the 5alpha-reductase activity of human prostate cancer cell lines without interfering with PSA expression.](#)

Habib FK, Ross M, Ho CK, Lyons V, Chapman K.

International Journal of Cancer 2005 Mar; 114(2):190.

Application: WB, Human, LNCaP cells

- [Expression of prostate specific membrane antigen in androgen-independent prostate cancer cell line PC-3.](#)

Laidler P, Dulinska J, Lekka M, Lekki J.

Archives of Biochemistry and Biophysics 2005 Mar; 435(1):1.

## 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](#)