

**Kallikrein 3 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP6322b****Specification**

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**Kallikrein 3 Antibody (C-term) - Product Information**

Application	<b>WB,E</b>
Primary Accession	<a href="#">P07288</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>28741</b>
Antigen Region	<b>220-250</b>

**Kallikrein 3 Antibody (C-term) - Additional Information****Gene ID** 354**Other Names**

Prostate-specific antigen, PSA, Gamma-seminoprotein, Seminol, Kallikrein-3, P-30 antigen, Semenogelase, KLK3, APS

**Target/Specificity**

This Kallikrein 3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 220-250 amino acids from the C-terminal region of human Kallikrein 3.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Kallikrein 3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**Kallikrein 3 Antibody (C-term) - Protein Information****Name** KLK3**Synonyms** APS

**Function** Hydrolyzes semenogelin-1 thus leading to the liquefaction of the seminal coagulum.

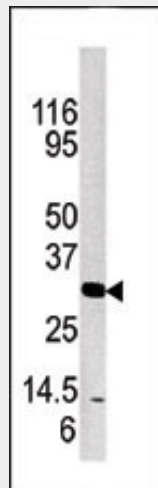
**Cellular Location**  
Secreted.

### **Kallikrein 3 Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **Kallikrein 3 Antibody (C-term) - Images**



Western blot analysis of anti-KLK3 Pab (Cat. #AP6322b) in mouse brain tissue lysate. KLK3 (arrow) was detected using the purified Pab.

### **Kallikrein 3 Antibody (C-term) - Background**

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. KLK3 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.

### **Kallikrein 3 Antibody (C-term) - References**

- Binnie, M.C., et al., Prostate 63(4):309-315 (2005).  
Habib, F.K., et al., Int. J. Cancer 114(2):190-194 (2005).  
Laidler, P., et al., Arch. Biochem. Biophys. 435(1):1-14 (2005).  
Dallas, S.L., et al., J. Cell. Physiol. 202(2):361-370 (2005).

Olsson, A.Y., et al., Genomics 84(1):147-156 (2004).