10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Kallikrein 3 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP6322b

Specification

Kallikrein 3 Antibody (C-term) Blocking peptide - Product Information

Primary Accession P07288

Kallikrein 3 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 354

Other Names
Prostate-specific antigen, PSA, Gamma-seminoprotein, Seminin, Kallikrein-3, P-30 antigen, Semenogelase, KLK3, APS

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6322b was selected from the C-term region of human KLK3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Kallikrein 3 Antibody (C-term) Blocking peptide - 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) Blocking peptide - Protocols

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

- Blocking Peptides

Kallikrein 3 Antibody (C-term) Blocking peptide - Images

Kallikrein 3 Antibody (C-term) Blocking peptide - 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) Blocking peptide - 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).