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Kallikrein 11 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP6330b

Specification

Kallikrein 11 Antibody (Center) Blocking peptide - Product Information

Primary Accession Q9UBX7

Kallikrein 11 Antibody (Center) Blocking peptide - Additional Information

Gene ID 11012

Other Names
Kallikrein-11, hK11, 3421-, Hippostasin, Serine protease 20, Trypsin-like protease, Kallikrein-11 inactive chain 1, Kallikrein-11 inactive chain 2, KLK11, PRSS20, TLSP

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6330b was selected from the Center region of human KLK11. 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 11 Antibody (Center) Blocking peptide - Protein Information

Name KLK11

Synonyms PRSS20, TLSP

Function
Possible multifunctional protease. Efficiently cleaves 'bz- Phe-Arg-4-methylcoumaryl-7-amide', a kallikrein substrate, and weakly cleaves other substrates for kallikrein and trypsin. Cleaves synthetic peptides after arginine but not lysine residues.

Cellular Location
[Isoform 1]: Secreted.

Tissue Location
Expressed in brain, skin and prostate. Isoform 1 is expressed preferentially in brain. Isoform 2 is

expressed in prostate Present in seminal plasma at concentrations ranging from 2 to 37 microg/mL (at protein level).

Kallikrein 11 Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

Kallikrein 11 Antibody (Center) Blocking peptide - Images

Kallikrein 11 Antibody (Center) 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. KLK11, also known as hippostatin, is a kallikrein-like serine protease, which has two alternatively spliced isoforms, brain-type and prostate-type. KLK11 plays a role in the prostate, including reproductive and/or tumorigenic functions. Elevated serum levels of KLLK11 are found in 70% of women with ovarian cancer and in 60% of men with prostate cancer. Analysis of the KLK11 biomarker in serum may aid in the diagnosis and monitoring of ovarian and prostatic carcinoma.

Kallikrein 11 Antibody (Center) Blocking peptide - References

Diamandis, E.P., et al., Clin. Biochem. 37(9):823-829 (2004).Shigemasa, K., et al., Clin. Cancer Res. 10(8):2766-2770 (2004).Borgono, C.A., et al., Int. J. Cancer 106(4):605-610 (2003).Clark, H.F., et al., Genome Res. 13(10):2265-2270 (2003).Nakamura, T., et al., Urology 61(5):1042-1046 (2003).