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Kallikrein 4 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP6323b

Specification

Kallikrein 4 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q9Y5K2

Kallikrein 4 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 9622

Other Names
Kallikrein-4, 3421-, Enamel matrix serine proteinase 1, Kallikrein-like protein 1, KLK-L1, Prostase, Serine protease 17, KLK4, EMSP1, PRSS17, PSTS

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6323b was selected from the C-term region of human KLK4. 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 4 Antibody (C-term) Blocking peptide - Protein Information

Name KLK4

Synonyms EMSP1, PRSS17, PSTS

Function
Has a major role in enamel formation (PubMed:15235027). Required during the maturation stage of tooth development for clearance of enamel proteins and normal structural patterning of the crystalline matrix (By similarity).

Cellular Location
Secreted.

Tissue Location

Expressed in prostate.

Kallikrein 4 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

Kallikrein 4 Antibody (C-term) Blocking peptide - Images

Kallikrein 4 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. In some tissues KLK4 expression is hormonally regulated. The expression pattern of a similar mouse protein in murine developing teeth supports a role for the protein in the degradation of enamel proteins.

Kallikrein 4 Antibody (C-term) Blocking peptide - References

Hart, P.S., et al., J. Med. Genet. 41(7):545-549 (2004).Xi, Z., et al., Cancer Res. 64(7):2365-2370 (2004).Hural, J.A., et al., J. Immunol. 169(1):557-565 (2002).Takayama, T.K., et al., Biochemistry 40(50):15341-15348 (2001).Korkmaz, K.S., et al., DNA Cell Biol. 20(7):435-445 (2001).