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

Kallikrein 1 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP6320a

Specification

Kallikrein 1 Antibody (Center) Blocking peptide - Product Information

Primary Accession P06870

Kallikrein 1 Antibody (Center) Blocking peptide - Additional Information

Gene ID 3816

Other Names
Kallikrein-1, Kidney/pancreas/salivary gland kallikrein, Tissue kallikrein, KLK1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6320a was selected from the Center region of human KLK1. 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 1 Antibody (Center) Blocking peptide - Protein Information

Name KLK1

Function
Glandular kallikreins cleave Met-Lys and Arg-Ser bonds in kininogen to release Lys-bradykinin.

Tissue Location
Isoform 2 is expressed in pancreas, salivary glands, kidney, colon, prostate gland, testis, spleen and the colon adenocarcinoma cell line T84.

Kallikrein 1 Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

Kallikrein 1 Antibody (Center) Blocking peptide - Images

Kallikrein 1 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. KLK1 is functionally conserved in its capacity to release the vasoactive peptide, Lys-bradykinin, from low molecular weight kininogen.

Kallikrein 1 Antibody (Center) Blocking peptide - References

Montanari, D., et al., Diabetes 54(5):1573-1580 (2005).Yin, H., et al., J. Biol. Chem. 280(9):8022-8030 (2005).Azizi, M., et al., J. Clin. Invest. 115(3):780-787 (2005).Lee-Chen, G.J., et al., Kidney Int. 65(4):1467-1472 (2004).Casalino-Matsuda, S.M., et al., J. Biol. Chem. 279(20):21606-21616 (2004).