

Product Information

Anti-Kallikrein L1 (KLK4, KLK-L1)

Produced in rabbit, Affinity Isolated Antibody

Product Number **K 3014**

Product Description

Anti-Kallikrein L1 (KLK4, KLK-L1) is produced in rabbit using as immunogen a peptide corresponding to the human Kallikrein L1 (KLK4) protein (amino acids 242-254). The antibody is affinity-purified using the immunizing peptide immobilized on agarose.

Anti-Kallikrein L1 (KLK4, KLK-L1) reacts with amino acid residues 242-254 (KFTEWIEKTVQAS) of human Kallikrein L1 (KLK4, KLK-L1). The antibody may be used in immunoblotting (~39 kDa, calculated).

Kallikreins are a subgroup of serine proteases and are implicated in carcinogenesis. KLK3 (also known as prostate specific antigen) is a marker for prostatic cancer and is involved in the pathogenesis and/or progression of prostate, breast, and possibly other malignancies.

Reagent

The antibody is supplied as a solution of ~1 mg/mL in phosphate buffered saline containing 0.02% sodium azide.

Precautions and Disclaimer

Due to the sodium azide content a material safety sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazardous and safe handling practices.

Storage/Stability

Store at -20 °C. The product may be stored at 2-8 °C for up to three months. For prolonged storage, freeze in working aliquots at -20 °C. Avoid repeated freezing and thawing. Do not store in a "frost-free" freezer.

Product Profile

For immunoblotting, a working antibody dilution of 1:500-1:1,000 is recommended.

Note: In order to obtain the best results in various techniques and preparations, we recommend determining optimal working dilutions by titration.

References

1. Stephenson, S.A., Verity, K., Ashworth, L.K., Clements, J.A., *J. Biol. Chem.*, **274**, 23210-23214 (1999).

KAA 10/05

Sigma brand products are sold through Sigma-Aldrich, Inc.

Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply. Please see reverse side of the invoice or packing slip.