

Product Information

Anti-Kallikrein L4 (KLK-L4, KLK13)

Produced in rabbit, Affinity Isolated Antibody

Product Number **K 2514**

Product Description

Anti-Kallikrein L4 (KLK-L4, KLK13) is produced in rabbit using as immunogen a peptide corresponding to the human kallikrein L4 protein (amino acids 262-277). The antibody is affinity-purified using the immunizing peptide immobilized on agarose.

Anti-Kallikrein L4 (KLK-L4, KLK13) reacts with amino acid residues 262-277 (IRKYETQQQKWLKGPGQ) of human Kallikrein L4 (KLK-L4, KLK13). The antibody may be used in immunoblotting (~30.5 kDa, calculated).

Kallikreins are a subgroup of serine proteases and are implicated in carcinogenesis. The novel KLK gene, KLK-L4, is expressed in a variety of tissues including prostate, salivary gland, breast, and testis. Its expression is regulated by steroid hormones in breast cancer cell lines. KLK-L4 may be involved in the pathogenesis and/or progression of breast cancer.

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. Yousef, G.M., Chang, A, Diamandis, E.P., *J. Biol. Chem.*, **275**, 11891-11898 (2000).

KAA 10/05

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