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Product Information

Anti-Kallikrein 15 (KLK15)
produced in rabbit, affinity isolated antibody

Catalog Number **K1640**

Product Description

Anti-Kallikrein 15 (KLK15) is produced in rabbit using as immunogen a synthetic peptide corresponding to residues 75-87 [HNLRKRDGPEQLR] of human Kallikrein 15 (GeneID 55554). This sequence is 92% identical in mouse and rat. The antibody is affinity-purified.

Anti-Kallikrein 15 recognizes human Kallikrein 15. Applications include the detection of Kallikrein 15 by immunoblotting (~28 kDa) and immunohistochemistry.

This is a novel human kallikrein gene. Kallikreins are a subgroup of serine proteases and are implicated in carcinogenesis. KLK15 is up-regulated in more aggressive forms of prostate cancer, which indicates its potential use as a diagnostic or prognostic marker for prostate cancer. The gene contains multiple polyadenylation sites and is alternatively spliced. Four splice variants, each encoding a distinct isoform, have been described.

Reagent

Supplied as a solution in phosphate buffered saline, containing 0.02% sodium azide.

Antibody concentration: ~1.0 mg/mL

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at 2-8 °C for up to three months. For extended storage, freeze in working aliquots. Repeated freezing and thawing, or storage in "frost-free" freezers, is not recommended.

Product Profile

Immunoblotting: a working dilution of 1:500 to 1:1,000 is recommended.

Immunohistochemistry: an optimal working antibody dilution should be determined.

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

References

1. Yousef, G.M., et al., Prognostic value of the human kallikrein gene 15 expression in ovarian cancer. *J Clin Oncol.* **21(16)**: 3119-3126 (2003).

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