

Product Information

Anti-Kallikrein 11 (KLK11, Hippostasin)

produced in rabbit, affinity isolated antibody

Catalog Number **K1515**

Product Description

Anti-Kallikrein 11 (KLK11, Hippostasin) is produced in rabbit using as immunogen a synthetic peptide corresponding to residues 68-82 [YIVHLGQHNLQKEEG] of human Kallikrein 11 (GeneID 11012). This sequence is 86% identical in mouse and rat. The antibody is affinity-purified.

Anti-Kallikrein 11 recognizes human Kallikrein 11. Applications include the detection of Kallikrein 11 by immunoblotting (~35 kDa) and immunohistochemistry.

Hippostasin, also known as KLK11, is a Kallikrein-like serine protease, which has two alternatively spliced isoforms, brain-type and prostate-type. Hippostasin plays a role in the prostate, including reproductive and/or tumorigenic functions. Elevated serum levels of hK11 were found in 70% of women with ovarian cancer and in 60% of men with prostate cancer. Analysis of the KLK11 biomarker in serum may aid in the diagnosis and monitoring of ovarian and prostatic carcinoma.

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. Mitsui, S., et al., Multiple promoters regulate tissue-specific alternative splicing of the human kallikrein gene, KLK11/hippustasin. *FEBS J.* **273(16)**: 3678-3686 (2006).

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