

## Product Information

### Anti-Kallikrein 12 (KLK12, KLK-L5)

Produced in rabbit, Affinity Isolated Antibody

Product Number **K 3514**

#### Product Description

Anti-Kallikrein 12 (KLK12, KLK-L5) is produced in rabbit using as immunogen a peptide corresponding to the human Kallikrein 12 protein (amino acids 236-248). The antibody is affinity-purified using the immunizing peptide immobilized on agarose.

Anti-Kallikrein 12 (KLK12, KLK-L5) reacts with amino acid residues 236-248 (KYVDWIRMMRNN) of human Kallikrein 12 (KLK12, KLK-L5). The antibody may be used in immunoblotting (~27 kDa, calculated).

Kallikreins are a subgroup of serine proteases and are implicated in carcinogenesis. A novel KLK gene, KLK12, is expressed in a variety of tissues including salivary gland, stomach, uterus, lung, thymus, prostate, colon, brain, breast, thyroid, and trachea. It has applications as a novel cancer biomarker.

#### 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. Yousif, G.M., Magklara, A., and Diamandis, E.P., *Genomics*, **69**, 331-341 (2000).

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