

Anti-Kallikrein 4/KLK4 Antibody Picoband®

Catalog Number: PB9260

About KLK4

Kallikrein-related peptidase 4, also known as PSTS or EMSP1, is a protein which in humans is encoded by the KLK4 gene. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. In particular, they may serve as biomarkers for both prostate cancer and breast cancer. It has been found that KLK4 is a proliferative factor with effects on gene expression and it may have a role in prostate cancer development and progression.

Overview

Product Name	Anti-Kallikrein 4/KLK4 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-Kallikrein 4/KLK4 Antibody Picoband® catalog # PB9260. Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , and 0.05 mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9Y5K2

Technical Details

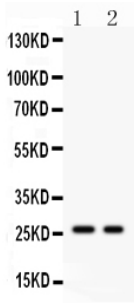
Immunogen	E.coli-derived human Kallikrein 4 recombinant protein (Position: I31-S254).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins

Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human

Anti-Kallikrein 4/KLK4 Antibody Picoband® (PB9260) Images



Anti-Picoband antibody, PB, Western blotting
All lanes: Anti Kallikrein 4 (PB9260) at 0.5ug/ml
WB: Recombinant Human Kallikrein 4 Protein 0.5ng
Predicted bind size: 25KD
Observed bind size: 25KD



Anti-Picoband antibody, PB, Western blotting
All lanes: Anti Kallikrein 4 (PB9260) at 0.5ug/ml
Lane 1: 293T Whole Cell Lysate at 40ug
Lane 2: MCF-7 Whole Cell Lysate at 40ug
Predicted bind size: 27KD
Observed bind size: 27KD

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Anti-Kallikrein 4/KLK4 Antibody

For Research Use Only. Not for use in diagnostic procedures.