

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

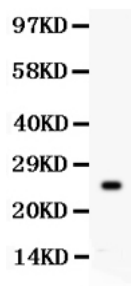
Product Name	Anti-Kallikrein 4/KLK4 Antibody Picoband™
Reactive Species	Human
Description	Boster Bio Anti-Kallikrein 4/KLK4 Antibody Picoband™ catalog # PB9260. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
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).
Predicted Reactive Species	Hamster
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	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Human</p>

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

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Kallikrein 4/KLK4 Antibody™