

Anti-PSCA Antibody Picoband®

Catalog Number: PB9351

About PSCA

PSCA is also known as PRO232. This gene encodes a glycosylphosphatidylinositol-anchored cell membrane glycoprotein. In addition to being highly expressed in the prostate it is also expressed in the bladder, placenta, colon, kidney, and stomach. This gene is up-regulated in a large proportion of prostate cancers and is also detected in cancers of the bladder and pancreas. This gene includes a polymorphism that results in an upstream start codon in some individuals; this polymorphism is thought to be associated with a risk for certain gastric and bladder cancers. Alternative splicing results in multiple transcript variants.

Overview

Product Name	Anti-PSCA Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PSCA Antibody Picoband® catalog # PB9351. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. 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	O43653

Technical Details

Immunogen	E.coli-derived human PSCA recombinant protein (Position: L21-S95). Human PSCA shares 66% amino acid (aa) sequence identity with mouse PSCA.
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, Mouse, Rat, Human

Anti-PSCA Antibody Picoband® (PB9351) Images



Anti-PSCA Picoband antibody, PB9351, Western blotting
lanes: Anti PSCA (PB9351) at 0.5ug/ml
Lane 1: Rat Stomach Tissue Lysate at 50ug
Lane 2: Mouse Stomach Tissue Lysate at 50ug
Predicted bind size: 13KD
Observed bind size: 25KD

2 Publications Citing This Product

1. PubMed ID: 21429770, Zhao Z, Ma W, Zeng G, Qi D, Ou L, Liang Y. Urol Oncol. 2013 Apr;31(3):343-51. Doi: 10.1016/J.Urolonc.2011.02.004. Epub 2011 Mar 23. Small Interference Rna-Mediated Silencing Of Prostate Stem Cell Antigen Attenuates Growth, Reduces Migration And In...
2. PubMed ID: 27001215, PSCA rs2294008 polymorphism contributes to the decreased risk for cervical cancer in a Chinese population

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Anti-PSCA Antibody

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