BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

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.

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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 Na2HPO4, and 0.05 mg NaN3. *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

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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

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Anti-PSCA Antibody Picoband® (PB9351) Images



Anti-PSCA Picoband antibody, PB9351, Western blottingAll lanes: Anti PSCA (PB9351) at 0.5ug/mlLane 1: Rat Stomach Tissue Lysate at 50ugLane 2: Mouse Stomach Tissue Lysate at 50ugPredicted bind size: 13KDObserved 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

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