# antibodies

## Datasheet for ABIN3043554 anti-PSCA antibody (AA 21-95)

1 Image

2 Publications

similarities.



#### Overview

Quantity:	100 µg
Target:	PSCA
Binding Specificity:	AA 21-95
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)
Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Prostate stem cell antigen(PSCA) detection. Tested with WB
	in Human,Mouse,Rat.
Immunogen:	E.coli-derived human PSCA recombinant protein (Position: L21-S95). Human PSCA shares 66%
	amino acid (aa) sequence identity with mouse PSCA.
lsotype:	lgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: human
	No cross reactivity with other proteins.
	Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence

#### Product Details

	Protein Name: Prostate stem cell antigen
Purification:	Immunogen affinity purified.
Target Details	
Target:	PSCA
Alternative Name:	PSCA (PSCA Products)
Background:	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.

Synonyms: PRO 232 antibody|PRO232 antibody|Prostate stem cell antigen antibody

Gene ID:	8000
UniProt:	043653

### Application Details

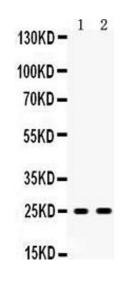
Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Mouse, Rat, Predicted Species: Human, The
	detection limit for PSCA is approximately 0.1 ng/lane under reducing conditions.
	Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be
	fit for the product based on sequence similarities.
	Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only
Handling	

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 $\mu$ g/mL.
Concentration:	500 µg/mL

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Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Publications	
Product cited in:	Liu, Hong, Li, Ren, Wang, Xu, Shi, Xu: "A Cross Talk Between BRG1 and Males Absent on the First Contributes to Reactive Oxygen Species Production in a Mouse Model of Nonalcoholic Steatohepatitis." in: <b>Antioxidants &amp; redox signaling</b> , (2018) (PubMed).
	Meyer, Fredette, Daniel, Sharma, Amann, Arterburn, Barton, Prossnitz: "Obligatory role for GPER in cardiovascular aging and disease." in: <b>Science signaling</b> , Vol. 9, Issue 452, pp. ra105, (2017) ( PubMed).

Images



#### Western Blotting

**Image 1.** Anti- PSCA Picoband antibody, Western blotting All lanes: Anti PSCA 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

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