PSCA Antibody (R31764)

Catalog No.	Formulation	Size
R31764	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	8000
Applications	Western blot: 0.5-1ug/ml
Limitations	This PSCA antibody is available for research use only.



Western blot testing of PSCA antibody and Lane 1: rat stomach; 2: mouse stomach;
Predicted size: 13KD; Observed glycosylated size: up to 29KD

Description

Prostate stem cell antigen, also known as PSCA and PRO232, is 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the PSCA antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 21-95) was used as the immunogen for this PSCA antibody.

Storage

After reconstitution, the PSCA antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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