

**PSCA Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51454**

**Specification**

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**PSCA Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, E                  |
| Primary Accession | <a href="#">O43653</a> |
| Reactivity        | Human                  |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 29 KDa                 |

**PSCA Antibody - Additional Information**

**Gene ID** 8000

**Other Names**

Prostate stem cell antigen, PSCA

**Target/Specificity**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PSCA. The exact sequence is proprietary.

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**PSCA Antibody - Protein Information**

**Name** PSCA

**Function**

May be involved in the regulation of cell proliferation. Has a cell-proliferation inhibition activity in vitro.

**Cellular Location**

Cell membrane; Lipid-anchor, GPI-anchor

**Tissue Location**

Highly expressed in prostate (basal, secretory and neuroendocrine epithelium cells). Also found in bladder (transitional epithelium), placenta (trophoblasts), stomach (neuroendocrine cells), colon

(neuroendocrine cells) and kidney (collecting ducts) Overexpressed in prostate cancers and expression is correlated with tumor stage, grade and androgen-independence. Highly expressed in prostate cancer bone metastases. Expressed in gastric epithelial cells, mainly in the isthmus (at protein level). Not detected in normal intestinal epithelium (at protein level). Expressed in brain cortex; expression is significantly increased in the front cortex of Alzheimer disease patients.

### **PSCA Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **PSCA Antibody - Images**

### **PSCA Antibody - Background**

May be involved in the regulation of cell proliferation. Has a cell-proliferation inhibition activity in vitro.

### **PSCA Antibody - References**

Reiter R.E.,et al.Proc. Natl. Acad. Sci. U.S.A. 95:1735-1740(1998).  
Bahrenberg G.,et al.Biochem. Biophys. Res. Commun. 275:783-788(2000).  
Nusbaum C.,et al.Nature 439:331-335(2006).  
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).  
Zhang Z.,et al.Protein Sci. 13:2819-2824(2004).