

**PSCA (aa27-40) Antibody (internal region)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2861a****Specification**

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**PSCA (aa27-40) Antibody (internal region) - Product Information**

Application	E
Primary Accession	<a href="#">O43653</a>
Other Accession	<a href="#">NP_005663.1</a> , <a href="#">8000</a>
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	11959

**PSCA (aa27-40) Antibody (internal region) - Additional Information****Gene ID** 8000**Other Names**

Prostate stem cell antigen, PSCA

**Dilution**

E~~N/A

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

PSCA (aa27-40) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**PSCA (aa27-40) Antibody (internal region) - 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 (aa27-40) Antibody (internal region) - 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 (aa27-40) Antibody (internal region) - Images****PSCA (aa27-40) Antibody (internal region) - References**

Prostate stem cell antigen vaccination induces a long-term protective immune response against prostate cancer in the absence of autoimmunity. Garcia-Hernandez Mde L, Gray A, Hubby B, Klinger OJ, Kast WM. Cancer Res. 2008 Feb 1;68(3):861-9. PMID: 18245488