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PSCA (aa27-40) Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF2861a

Specification

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

Application	**E**
Primary Accession	O43653
Other Accession	NP_005663.1, 8000
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

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 Cytomety
- 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