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PSCA Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP1419c

Specification

PSCA Antibody (Center) Blocking Peptide - Product Information

Primary Accession O43653

PSCA Antibody (Center) Blocking Peptide - Additional Information

Gene ID 8000

Other Names
Prostate stem cell antigen, PSCA

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP1419c was selected from the Center region of human PSCA. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PSCA Antibody (Center) Blocking Peptide - 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 (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

PSCA Antibody (Center) Blocking Peptide - Images

PSCA Antibody (Center) Blocking Peptide - Background

PSCA 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. It is up-regulated in a large proportion of prostate cancers and is also detected in cancers of the bladder and pancreas.

PSCA Antibody (Center) Blocking Peptide - References

Zhigang,Z., Prostate 68 (2), 190-199 (2008)Zhigang,Z., Prostate 67 (11), 1143-1151 (2007)