

PSCA Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51454

Product Information

Application	WB
Primary Accession	O43653
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	11959

Additional Information

Gene ID	8000
Other Names	Prostate stem cell antigen, PSCA
Dilution	WB~~1:1000
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

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.

Background

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

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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.