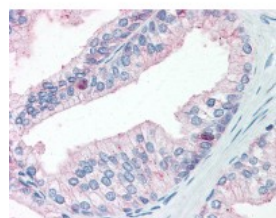




## PSMA Antibody, Monoclonal

CATALOG NUMBER: 51-036



Immunohistochemistry staining of PSMA  
in prostate tissue using PSMA monoclonal  
Antibody.

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	ELISA, IHC, WB
<b>APPLICATIONS:</b>	PSMA antibody can be used in Western Blot starting at 2 - 4 ug/mL, immunohistochemistry starting at 5 ug/mL, flow cytometry, and neutralization
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.
<b>SPECIFICITY:</b>	Recognizes human PSMA protein at ~90kD. Reactivity has been confirmed with human prostate cancer LNCap cell lysates.
<b>IMMUNOGEN:</b>	PSMA monoclonal antibody was raised against a synthetic peptide derived from the C-Terminal region of human PSMA (Human).
<b>HOST SPECIES:</b>	Mouse

### Properties

<b>PURIFICATION:</b>	Protein A Column
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	PBS, pH 7.4, 0.1% sodium azide, before the addition of glycerol to 40%
<b>CONCENTRATION:</b>	0.25 mg/ml
<b>STORAGE CONDITIONS:</b>	PSMA antibody should be stored long term (months) at -20 °C and short term (weeks) at 4 °C. As with all antibodies avoid freeze/thaw cycles.
<b>CLONALITY:</b>	Monoclonal
<b>ISOTYPE:</b>	IgG1,k
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	FOLH1, Folate hydrolase 1, GCPH, Glutamate carboxypeptidase II, Folate hydrolase, GCP2, NAALAD1, NAALAdase, NAALADase I, PSM, FGCP, FOLH, Glutamate carboxylase II, Glutamate carboxypeptidase 2, MGCP, PSMA
<b>ACCESSION NO.:</b>	Q04609

PROTEIN GI NO.:	548615
OFFICIAL SYMBOL:	FOLH1
GENE ID:	2346

## Background

**BACKGROUND:** PSMA (prostate specific membrane antigen) is a type II integral membrane glycoprotein. It is highly expressed in the prostate epithelium, and also expressed in the small intestine, brain, kidney, liver, spleen, colon and the capillary endothelium of a variety of tumors. PSMA is expressed specifically in jejunum brush border membranes. In the brain, PSMA is highly expressed in the ventral striatum and brain stem. PSMA cytosolic isoform is the most abundant form in normal prostate tissue, while the membrane-bound PSMA-1 form is found in primary prostate tumors. Recent evidence has shown that PSMA is also expressed in tumor-associated neovasculature and may become an effective target for monoclonal antibody-based anti-neovasculature therapy. Suitable for use in ELISA, Immunohistochemistry (FFPE), and Western Blot. Other applications not tested. Recognizes human PSMA protein at ~90kD. Reactivity has been confirmed with human prostate cancer LNCap cell lysates.

**FOR RESEARCH USE ONLY**

December 13, 2016