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PSMA
Mouse Monoclonal antibody(Mab)
Catalog # AD80110

Specification

PSMA - Product info

Application	**IHC-P, IHC**
Primary Accession	Q04609
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**84331**

PSMA - Additional info

Gene ID	**2346**
Gene Name	**FOLH1**

Other Names
Glutamate carboxypeptidase 2, 3.4.17.21, Cell growth-inhibiting gene 27 protein, Folate hydrolase 1, Folylpoly-gamma-glutamate carboxypeptidase, FGCP, Glutamate carboxypeptidase II, GCPII, Membrane glutamate carboxypeptidase, mGCP, N-acetylated-alpha-linked acidic dipeptidase I, NAALADase I, Prostate-specific membrane antigen, PSM, PSMA, Pteroylpoly-gamma-glutamate carboxypeptidase, FOLH1 (HGNC:3788), FOLH, NAALAD1, PSM, PSMA

Dilution
IHC-P~~Ready-to-use
IHC~~Ready-to-use

Storage
Maintain refrigerated at 2-8°C

Precautions	**PSMA Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**

PSMA - Protein Information

Name FOLH1 (HGNC:3788)

Synonyms	**FOLH, NAALAD1, PSM, PSMA**
Function	**Has both folate hydrolase and N-acetylated-alpha-linked- acidic dipeptidase (NAALADase) activity. Has a preference for tri- alpha-glutamate peptides. In the intestine, required for the uptake of folate. In the brain, modulates excitatory neurotransmission through the**

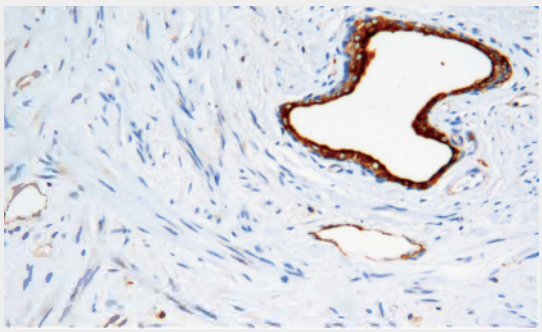
	hydrolysis of the neuropeptide, N-aceylaspartylglutamate (NAAG), thereby releasing glutamate. Involved in prostate tumor progression.
Cellular Location	**Cell membrane; Single-pass type II membrane protein**
Tissue Location	**Highly expressed in prostate epithelium. Detected in urinary bladder, kidney, testis, ovary, fallopian tube, breast, adrenal gland, liver, esophagus, stomach, small intestine, colon and brain (at protein level). Detected in the small intestine, brain, kidney, liver, spleen, colon, trachea, spinal cord and the capillary endothelium of a variety of tumors Expressed specifically in jejunum brush border membranes. In the brain, highly expressed in the ventral striatum and brain stem Also expressed in fetal liver and kidney. Isoform PSMA' is the most abundant form in normal prostate. Isoform PSMA-1 is the most abundant form in primary prostate tumors. Isoform PSMA-3 is also found in normal prostate as well as in brain and liver. Isoform PSMA-9 is specifically expressed in prostate cancer**

PSMA - 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

PSMA - Images



Prostate cancer

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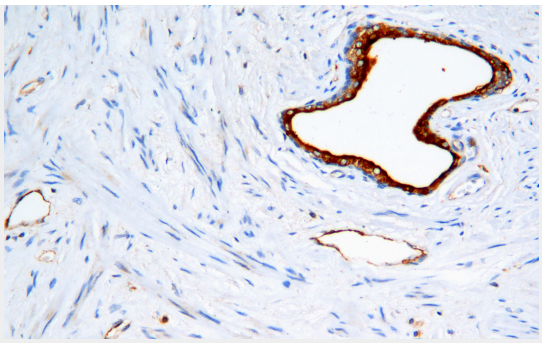

Immunohistochemical analysis of paraffin-embedded Ewing's sarcoma tissue using AD80259 performed on the Abcarta® FAIP-30 Fully automated IHC platform.Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9. 0). Samples were incubated with primary antibody(Ready-to-use) for 15 min at room temperature. AmpSeeTM Detection Systems□Abcepta:AR005□ was used as the secondary antibody.