

PSMA/GCPII Polyclonal Antibody

Catalog number: 13163-1-AP

Size: 26 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

FOLH1; FGCP, Folate hydrolase

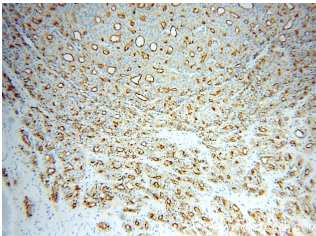
1, FOLH, FOLH1, GCP2, GCPII,

Glutamate carboxypeptidase 2,

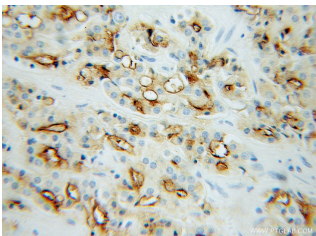
Glutamate carboxypeptidase II,

mGCP, NAALAD1, NAALAdase,

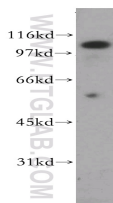
NAALADase I, PSM, PSMA



Immunohistochemical of paraffin-embedded human prostate cancer using 13163-1-AP(FOLH1 antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical of paraffin-embedded human prostate cancer using 13163-1-AP(FOLH1 antibody) at dilution of 1:100 (under 40x lens)



human liver tissue were subjected to SDS PAGE followed by western blot with 13163-1-AP(FOLH1 antibody) at dilution of 1:500

Background

PSMA(Prostate-specific membrane antigen) is also named as FOLH1, FOLH, NAALAD1, PSM and belongs to the peptidase M28 family. PSMA is a 100-120 kDa integral transmembrane glycoprotein, considered to be a highly specific marker of the prostate gland, and has successfully been used as a marker of circulating prostatic epithelial cells(PMID:10074909; 15680901). It is involved in conversion of the major neurotransmitter (NAAG) to NAA and free glutamate. It has 8 isoforms produced by alternative splicing.

Applications

Tested applications:	ELISA, WB, IHC
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated PSMA/GCPII MW:	719aa,81 kDa
Observed PSMA/GCPII MW:	100 kDa, 120 kDa
Positive WB detected in	Human liver tissue, mouse kidney tissue, PC-3 cells, rat kidney tissue
Positive IHC detected in	Human prostate cancer tissue, human colon cancer tissue, human gliomas tissue
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3812
GenBank accession number:	BC025672
Gene ID (NCBI):	2346
Full name:	Folate hydrolase (prostate-specific membrane antigen) 1

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.