

For Research Use Only

PSMA/GCPII Polyclonal antibody

Catalog Number: 13163-1-AP

10 Publications



Basic Information

Catalog Number:

13163-1-AP

Concentration:

400 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3812

GenBank Accession Number:

BC025672

GeneID (NCBI):

2346

UNIPROT ID:

Q04609

Full Name:

folate hydrolase (prostate-specific membrane antigen) 1

Calculated MW:

719 aa, 81 kDa

Observed MW:

100 kDa, 120 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:500-1:2000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, monkey

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : LNCaP cells, human liver tissue, mouse kidney tissue, rat kidney tissue

IHC : human prostate cancer tissue, human gliomas tissue, human colon cancer tissue

IF/ICC : LNCaP cells,

Background Information

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Jiang Ni	33069744	J Control Release	WB
Xiaoyi Gao	34632781	ACS Sens	WB,FC
Joshua Aaron Korsen	35058323	J Nucl Med	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

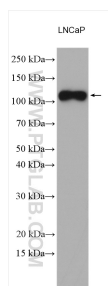
T: 4006900926

E: Proteintech-CN@ptglab.com

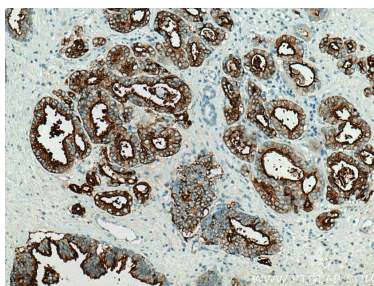
W: ptgcn.com

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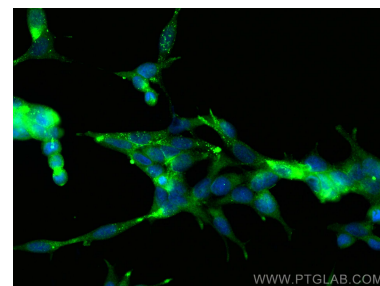
Selected Validation Data



LNCaP cells were subjected to SDS PAGE followed by western blot with 13163-1-AP (PSMA/GCPII antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 13163-1-AP (PSMA/GCPII antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed LNCaP cells using PSMA/GCPII antibody (13163-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).