

For Research Use Only

PSMA/GCPII Polyclonal antibody

Catalog Number: 13163-1-AP **6 Publications**



Basic Information

Catalog Number: 13163-1-AP	GenBank Accession Number: BC025672	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 400 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2346	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:500-1:2000 IF 1:50-1:500
Source: Rabbit	Full Name: folate hydrolase (prostate-specific membrane antigen) 1	
Isotype: IgG	Calculated MW: 719 aa, 81 kDa	
Immunogen Catalog Number: AG3812	Observed MW: 100 kDa, 120 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB: LNCaP cells, mouse kidney tissue, human liver tissue, rat kidney tissue, PC-3 cells
Cited Applications: FC, IHC, WB	IHC: human prostate cancer tissue, human gliomas tissue, human colon cancer tissue
Species Specificity: human, mouse, rat	IF: LNCaP cells,
Cited Species: human, rat, mouse	

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

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

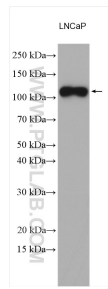
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

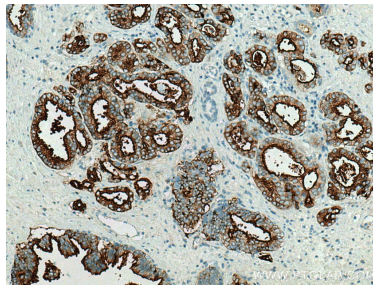
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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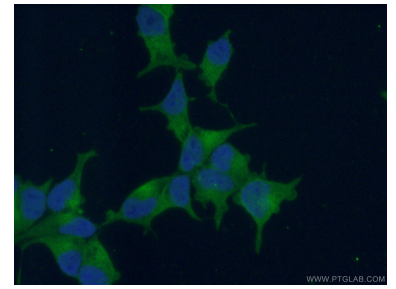
Selected Validation Data



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 13163-1-AP (PSMA/GCPII antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).