

For Research Use Only

# PSMA4 Polyclonal antibody

Catalog Number: 11943-2-AP

5 Publications



## Basic Information

### Catalog Number:

11943-2-AP

### Size:

150ul, Concentration: 650 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2542

### GenBank Accession Number:

BC056249

### GeneID (NCBI):

5685

### UNIPROT ID:

P25789

### Full Name:

proteasome (prosome, macropain) subunit, alpha type, 4

### Calculated MW:

237 aa, 27 kDa

### Observed MW:

29 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**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: BxPC-3 cells, mouse kidney tissue, mouse spleen tissue, K-562 cells, U-937 cells

IP: BxPC-3 cells,

IHC: human pancreas cancer tissue, mouse liver tissue

IF/ICC: HeLa cells,

## Notable Publications

Author	Pubmed ID	Journal	Application
Monica Benvenuto	34561494	Sci Rep	IHC
Jayashree Chadchankar	31703099	PLoS One	WB
Hiroyuki Kondo	31915251	J Biol Chem	WB,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

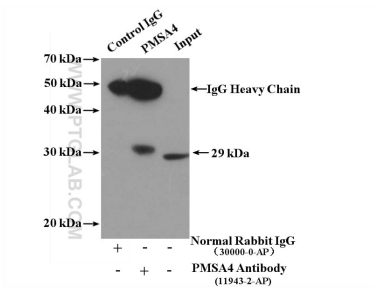
For technical support and original validation data for this product please contact:

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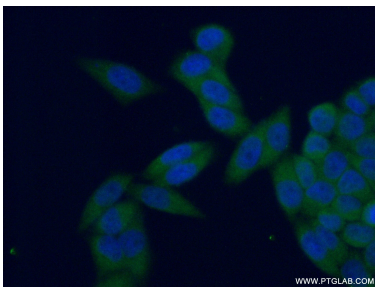
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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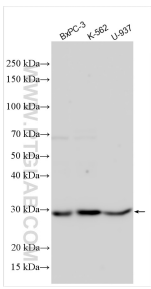
Selected Validation Data



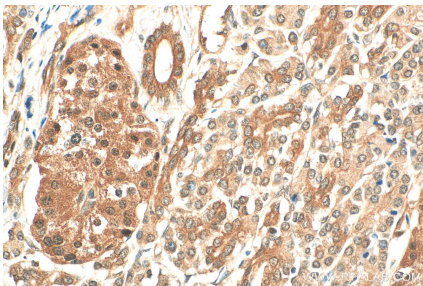
IP result of anti-PSMA4 (IP:11943-2-AP, 4ug; Detection:11943-2-AP 1:500) with BxPC-3 cells lysate 2800ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 11943-2-AP (PSMA4 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 11943-2-AP (PSMA4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 11943-2-AP (PSMA4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).