

For Research Use Only

# PSMA8 Monoclonal antibody

Catalog Number: 68123-1-Ig



## Basic Information

<b>Catalog Number:</b> 68123-1-Ig	<b>GenBank Accession Number:</b> BC042820	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 143471	<b>CloneNo.:</b> 2G2G3
<b>Source:</b> Mouse	<b>Full Name:</b> proteasome (prosome, macropain) subunit, alpha type, 8	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:500-1:2000 IF 1:400-1:1600
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 29 kDa	
<b>Immunogen Catalog Number:</b> AG5138	<b>Observed MW:</b> 28 kDa	

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Species Specificity:

Human, mouse, rat, pig, rabbit

**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 :** HCT 116 cells, rat lung tissue, mouse lung tissue, HeLa cells, HuH-7 cells, NCI-H1299 cells, A549 cells, pig lung tissue, rabbit lung tissue

**IHC :** mouse testis tissue, human colon cancer tissue, human lung cancer tissue, mouse liver tissue, rat liver tissue, rat testis tissue

**IF :** HepG2 cells,

## Background Information

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## 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

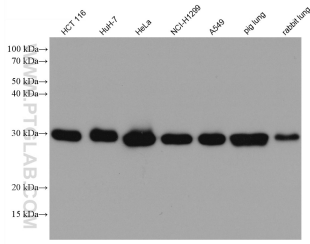
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

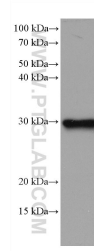
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

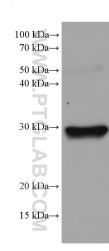
## Selected Validation Data



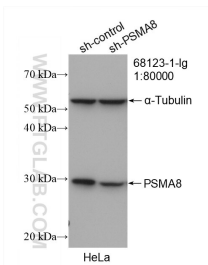
Various lysates were subjected to SDS PAGE followed by western blot with 68123-1-Ig (PSMA8 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



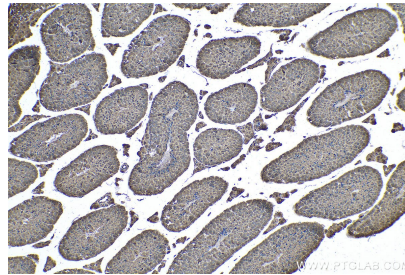
rat lung tissue were subjected to SDS PAGE followed by western blot with 68123-1-Ig (PSMA8 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



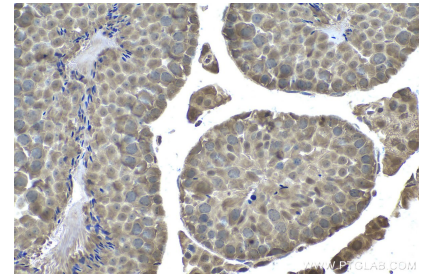
mouse lung tissue were subjected to SDS PAGE followed by western blot with 68123-1-Ig (PSMA8 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



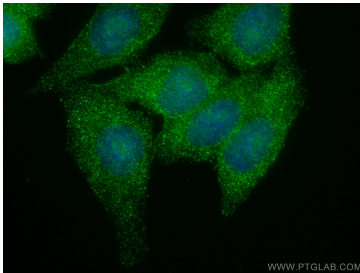
WB result of PSMA8 antibody (68123-1-Ig; 1:80000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PSMA8 transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 68123-1-Ig (PSMA8 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 68123-1-Ig (PSMA8 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using PSMA8 antibody (68123-1-Ig, Clone: 2G2G3) at dilution of 1:800 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).