

For Research Use Only

# PRMT7 Polyclonal antibody

Catalog Number: 21688-1-AP



## Basic Information

### Catalog Number:

21688-1-AP

### Size:

150ul, Concentration: 350 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG16269

### GenBank Accession Number:

BC000146

### GeneID (NCBI):

54496

### UNIPROT ID:

Q9NVM4

### Full Name:

protein arginine methyltransferase 7

### Calculated MW:

78 kDa

### Observed MW:

73-78 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

## Applications

### Tested Applications:

WB, IP, ELISA

### Species Specificity:

human, mouse

### Positive Controls:

WB : NIH/3T3 cells, HeLa cells, MCF-7 cells, MDA-MB-231 cells

IP : HeLa cells,

## Background Information

Protein arginine methyltransferases (PRMTs) are responsible for arginine methylation of histone or nonhistone proteins to regulate diverse biological processes, including cell proliferation, differentiation and senescence. PRMT7 is expressed in both embryonic stem and germ cells and is implicated in maintenance of muscle stem cell function. overexpression of PRMT7 has been associated with cancer metastasis. PRMT7 automethylation at residue R531 was reported to enhance breast cancer metastasis.

## 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

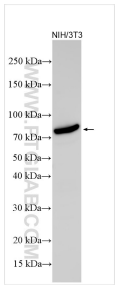
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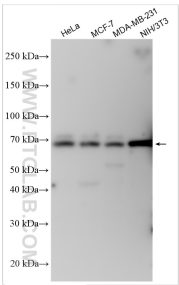
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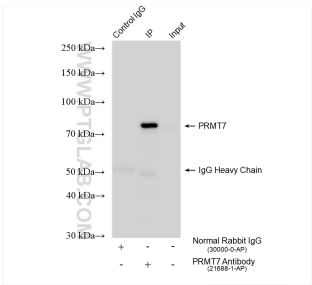
Selected Validation Data



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 21688-1-AP (PRMT7 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 21688-1-AP (PRMT7 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



IP result of anti-PRMT7 (IP:21688-1-AP, 4ug; Detection:21688-1-AP 1:1000) with HeLa cells lysate 1400 ug.