

For Research Use Only

MEPCE Polyclonal antibody

Catalog Number: 14917-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number:

14917-1-AP

Size:

150ul, Concentration: 850 ug/ml by Nanodrop and 667 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6733

GenBank Accession Number:

BC000556

GeneID (NCBI):

56257

UNIPROT ID:

Q7L2J0

Full Name:

methylphosphate capping enzyme

Calculated MW:

74 kDa

Observed MW:

74 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

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB, IP

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : MCF7 cells, MCF-7 cells

IP : MCF-7 cells,

IF/ICC : MCF-7 cells,

Background Information

MEPCE is a component of the 7SK snRNP complex, and a S-adenosyl-L-methionine-dependent methyltransferase that adds a methylphosphate cap at the 5'-end of 7SK snRNA, which leads to its stabilization.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|--------------------|-----------|------------------|-------------|
| Nur Firdaus Isa | 34696162 | Vaccines (Basel) | WB |
| Ahmed S Warda | 29051200 | EMBO Rep | WB |
| Taketoshi Mizutani | 24607481 | FEBS Lett | WB |

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

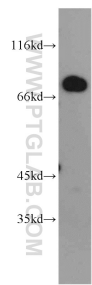
For technical support and original validation data for this product please contact:

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

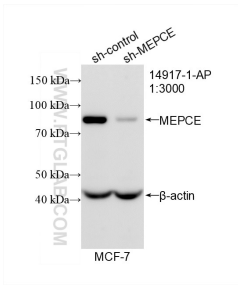
E: proteintech@ptglab.com
W: ptglab.com

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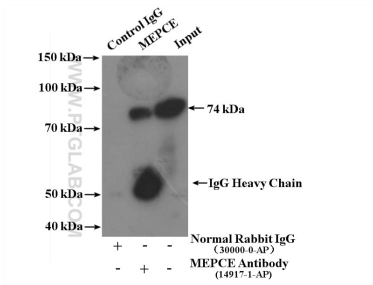
Selected Validation Data



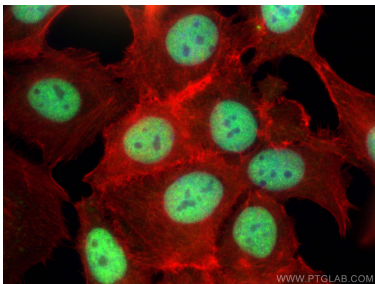
MCF7 cells were subjected to SDS PAGE followed by western blot with 14917-1-AP (MEPCE antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



WB result of MEPCE antibody (14917-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MEPCE transfected MCF-7 cells.



IP result of anti-MEPCE (IP:14917-1-AP, 4ug; Detection:14917-1-AP 1:400) with MCF-7 cells lysate 3200ug.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using MEPCE antibody (14917-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).