

# MEST Polyclonal antibody

Catalog Number: 11118-1-AP

Featured Product

13 Publications

## Basic Information

## Catalog Number:

11118-1-AP

## Size:

450 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG1617

## GenBank Accession Number:

BC011908

## GeneID (NCBI):

4232

## UNIPROT ID:

Q5EB52

## Full Name:

mesoderm specific transcript  
homolog (mouse)

## Calculated MW:

38 kDa

## Observed MW:

34 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:50-1:500

## Applications

## Tested Applications:

IHC, IP, WB, ELISA

## Cited Applications:

WB, IF, 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 : human testis tissue, mouse testis tissue, PC-3  
cells

IP : PC-3 cells,

IHC : human pancreas cancer tissue,

## Background Information

MEST (Mesoderm-specific transcript homolog protein) is also named as PEG1 and belongs to the AB hydrolase superfamily. The gene is a imprinting gene, which is associated with growth of mesodermal origin cells (PMID:20339302) and plays important roles in embryo development (PMID:21375506). It is also a novel regulator of Wnt/CTNNB signalling during adipogenic differentiation (PMID:21375506). It has 3 isoforms produced by alternative splicing and the full length protein has a glycosylation site.

## Notable Publications

Author	Pubmed ID	Journal	Application
Wei Peng	27697227	Placenta	WB, IHC
Keshari M Thakali	28864012	Placenta	WB
Jing Zhang	35042621	Gynecol Oncol	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

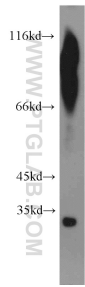
For technical support and original validation data for this product please contact:

T: 4006900926

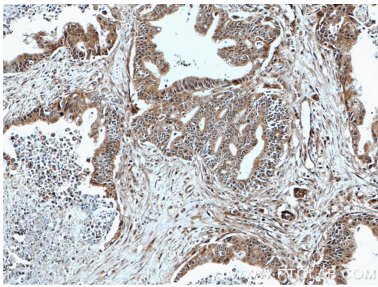
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

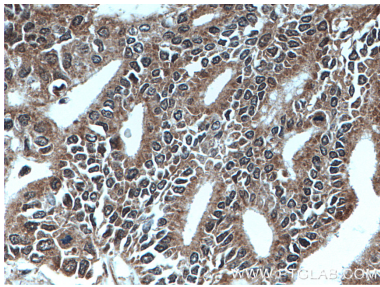
Selected Validation Data



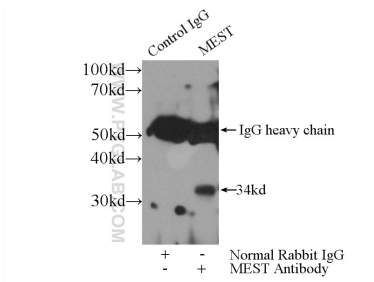
human testis tissue were subjected to SDS PAGE followed by western blot with 11118-1-AP (MEST antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 11118-1-AP (MEST antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 11118-1-AP (MEST antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-MEST (IP:11118-1-AP, 3ug; Detection:11118-1-AP 1:500) with PC-3 cells lysate 1720ug.