

For Research Use Only

# c-Met (Cytoplasmic) Polyclonal antibody



Catalog Number: 25869-1-AP

Featured Product

43 Publications

## Basic Information

### Catalog Number:

25869-1-AP

### Size:

150ul, Concentration: 900 µg/ml by Nanodrop and 433 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG23140

### GenBank Accession Number:

BC130420

### GeneID (NCBI):

4233

### Full Name:

met proto-oncogene (hepatocyte growth factor receptor)

### Calculated MW:

1390 aa, 155 kDa

### Observed MW:

145 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:200-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total

protein lysate

IHC 1:500-1:2000

## Applications

### Tested Applications:

FC (intra), IHC, IP, WB, ELISA

### Cited Applications:

CoIP, IF, IHC, IP, WB

### Species Specificity:

human, canine, mouse, rat

### Cited Species:

human, rat, mouse

### Positive Controls:

WB: mouse liver tissue, MDCK cells, HepG2 cells, A431 cells, rat liver tissue

IP: HeLa cells,

IHC: human lung cancer tissue, human breast cancer tissue, human colon tissue, human liver cancer tissue

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

c-Met (also named MET or HGFR) is a receptor tyrosine kinase that transduces signals from the extracellular matrix into the cytoplasm by binding to the HGF ligand. c-Met regulates many physiological processes including proliferation, scattering, morphogenesis, and survival. The primary single-chain precursor protein is post-translationally cleaved to produce the alpha and beta subunits, which are disulfide-linked to form the mature receptor. Overexpression and/or mutation of c-Met has been reported in various human malignancies, including lung cancer, breast cancer, head and neck cancer, gastric cancer, colorectal cancer, bladder cancer, uterine cervix carcinoma, esophageal carcinoma, c-Met could serve as an important therapeutic target (PMID: 26036285). The c-met receptor is a 190-kD glycoprotein consisting of a 145-kD membrane-spanning beta chain and a 50-kD alpha chain (PMID: 7806559). In Western blot, this antibody produces bands of unknown identity at 55 and 100 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Dali Zhao	34555268	FEBS Open Bio	WB
Guichuan Huang	36211385	Front Immunol	WB
Enliang Li	34479614	J Exp Clin Cancer Res	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

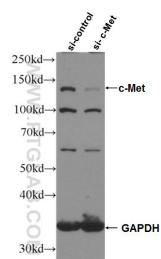
For technical support and original validation data for this product please contact:

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

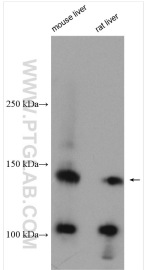
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

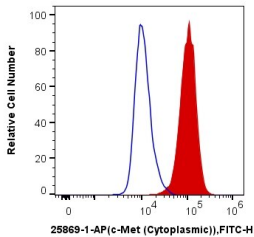
Selected Validation Data



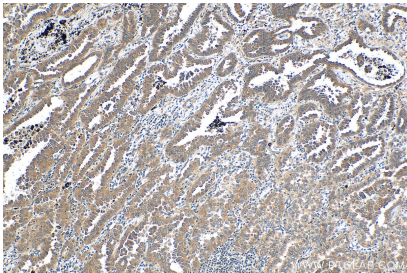
WB result of c-Met antibody (25869-1-AP; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-c-Met transfected HepG2 cells.



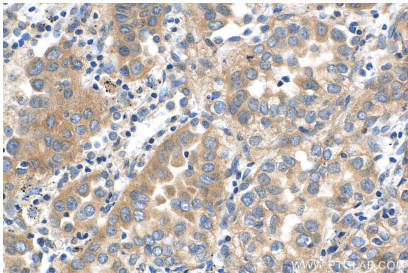
Various lysates were subjected to SDS PAGE followed by western blot with 25869-1-AP (c-Met (Cytoplasmic) antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



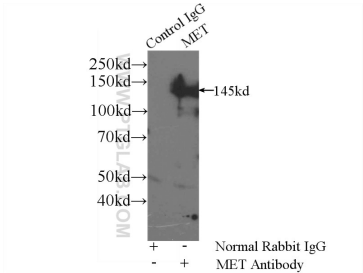
1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug Anti-Human c-Met (Cytoplasmic) (25869-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 25869-1-AP (c-Met (Cytoplasmic) 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 human lung cancer tissue slide using 25869-1-AP (c-Met (Cytoplasmic) antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-c-Met (Cytoplasmic) (IP:25869-1-AP, 5ug; Detection:25869-1-AP 1:300) with HeLa cells lysate 1600ug.