

For Research Use Only

c-Met (Cytoplasmic) Polyclonal antibody

Catalog Number: 25869-1-AP

Featured Product

57 Publications



Basic Information

Catalog Number:

25869-1-AP

Size:

150ul, Concentration: 750 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG23140

GenBank Accession Number:

BC130420

GeneID (NCBI):

4233

UNIPROT ID:

P08581

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 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:500-1:2000

IF/ICC: 1:50-1:500

FC (Intra): 0.40 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP, RIP

Species Specificity:

human, mouse, rat, canine

Cited Species:

human, mouse, rat

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

IP: HeLa cells,

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

IF/ICC: HepG2 cells,

FC (Intra): HeLa cells,

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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

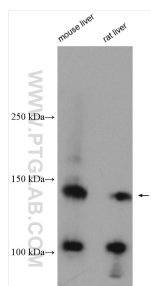
For technical support and original validation data for this product please contact:

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

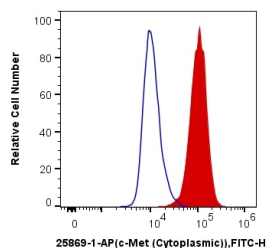
E: proteintech@ptglab.com
W: ptglab.com

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

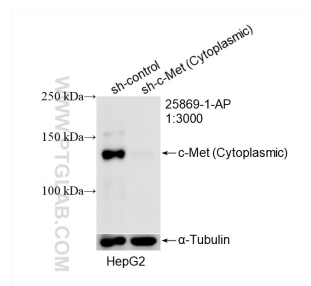
Selected Validation Data



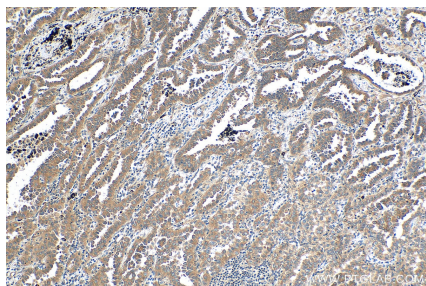
Various lysates were subjected to SDS PAGE followed by western blot with 25869-1-AP (c-Met (Cytoplasmic) antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



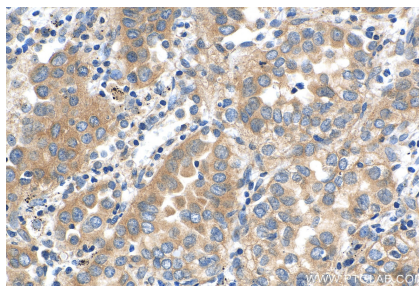
1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human c-Met (Cytoplasmic) (25869-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



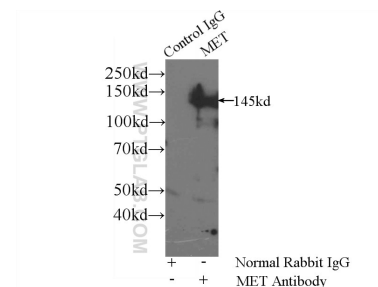
WB result of c-Met (Cytoplasmic) antibody (25869-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-c-Met (Cytoplasmic) transfected HepG2 cells.



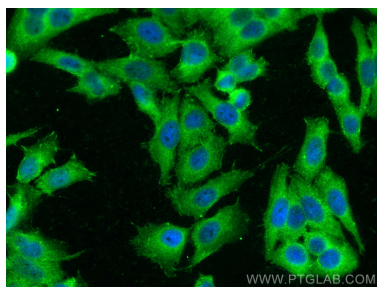
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 25869-1-AP (c-Met (Cytoplasmic) antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using c-Met (Cytoplasmic) antibody (25869-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).