

For Research Use Only

c-Met (Cytoplasmic) Polyclonal antibody



Catalog Number: 25869-1-AP

Featured Product

45 Publications

Basic Information

Catalog Number:

25869-1-AP

Size:

750 µg/ml

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 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:

WB, IP, IF, IHC, CoIP

Species Specificity:

human, canine, mouse, rat

Cited Species:

human, rat, 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 : 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

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

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

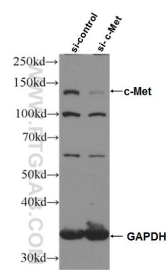
T: 4006900926

E: Proteintech-CN@ptglab.com

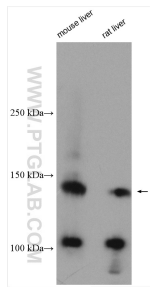
W: ptgcn.com

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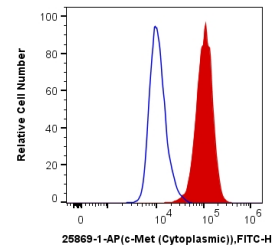
Selected Validation Data



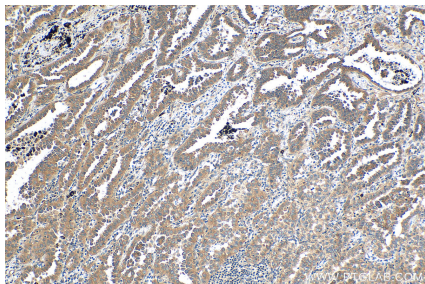
WB result of c-Met antibody (25869-1-AP; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-c-Met transfected HepG2 cells.



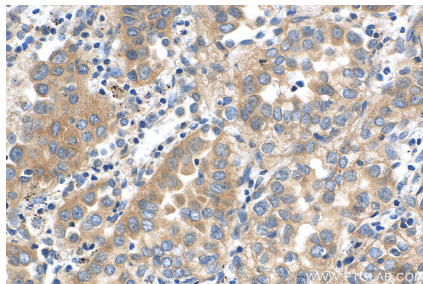
Various lysates were subjected to SDS PAGE followed by western blot with 25869-1-AP (c-Met (Cytoplasmic) antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



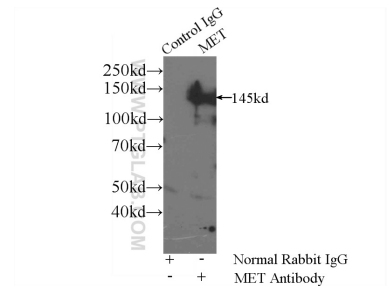
1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human c-Met (Cytoplasmic) (25869-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



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.