For Research Use Only

c-Met (N-terminal) Polyclonal antibody

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Catalog Number:19971-1-AP Featured Product 3 Publications

Basic Information

Catalog Number:
19971-1-AP

Size:
250 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_000245

GeneID (NCBI):
4233

UNIPROT ID:
P08581

Full Name:
met proto-oncogene (hepatocyte growth factor receptor)

Calculated MW:
156 kDa

Observed MW:
140 kDa, 50 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IHC 1:50-1:200

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, 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 : HeLa cells,

IHC : human breast cancer tissue, human colon tissue

Background Information

c-Met (also named as MET or HGFR) is a receptor tyrosine kinase that transduces signals from the extracellular matrix into the cytoplasm by binding to hepatocyte growth factor/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, and esophageal carcinoma, c-Met could serve as an important therapeutic target (PMID: 26036285). This antibody recognizes the N-term of c-Met.

Notable Publications

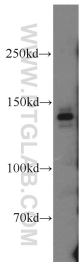
Author	Pubmed ID	Journal	Application
F Yan	28869603	Oncogene	WB
Wen-Cheng Chung	32805234	Am J Pathol	IHC
Wu Jianmin J	22198213	Carcinogenesis	WB

Storage

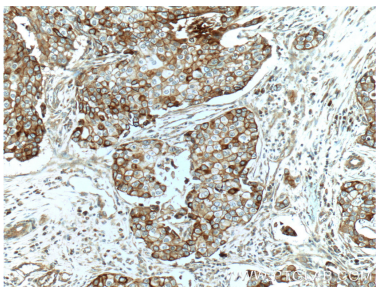
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

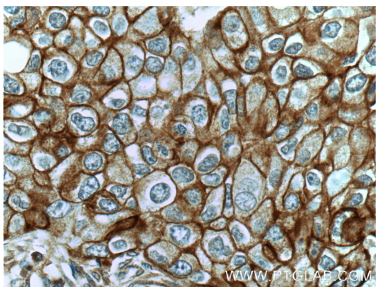
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 19971-1-AP (c-Met (N-terminal) antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 19971-1-AP (c-Met (N-terminal) antibody at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 19971-1-AP (c-Met (N-terminal) antibody at dilution of 1:50 (under 40x lens).