Datasheet for ABIN671661

anti-c-MET antibody (AA 25-150)

5 Images | 5 Publications

Go to Product page

Overview

Quantity:	100 µL
Target:	c-MET (MET)
Binding Specificity:	AA 25-150
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This c-MET antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Met (c-Met)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	c-MET (MET)
Alternative Name:	Met (c-Met) (MET Products)

Target Details

Background:	Synonyms: HGFR, AUTS9, RCCP2, c-Met, Hepatocyte growth factor receptor, HGF receptor, HGF/SF receptor, Proto-oncogene c-Met, Scatter factor receptor, SF receptor, Tyrosine-protein kinase Met, MET Background: Receptor tyrosine kinase that transduces signals from the extracellular matrix into the cytoplasm by binding to hepatocyte growth factor/HGF ligand. Regulates many physiological processes including proliferation, scattering, morphogenesis and survival. Ligand binding at the cell surface induces autophosphorylation of MET on its intracellular domain that provides docking sites for downstream signaling molecules. Following activation by ligand, interacts with the PI3-kinase subunit PIK3R1, PLCG1, SRC, GRB2, STAT3 or the adapter GAB1. Recruitment of these downstream effectors by MET leads to the activation of several signaling cascades including the RAS-ERK, PI3 kinase-AKT, or PLCgamma-PKC. The RAS-ERK activation is associated with the morphogenetic effects while PI3K/AKT coordinates prosurvival effects. During embryonic development, MET signaling plays a role in gastrulation, development and migration of muscles and neuronal precursors, angiogenesis and kidney formation. In adults, participates in wound healing as well as organ regeneration and tissue remodeling. Promotes also differentiation and proliferation of hematopoietic cells. Acts as a receptor for Listeria internalin inlB, mediating entry of the pathogen into cells.
Gene ID:	4233
UniProt:	P08581
Pathways:	RTK Signaling, Carbohydrate Homeostasis, Synaptic Membrane, Signaling of Hepatocyte Growth Factor Receptor

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:

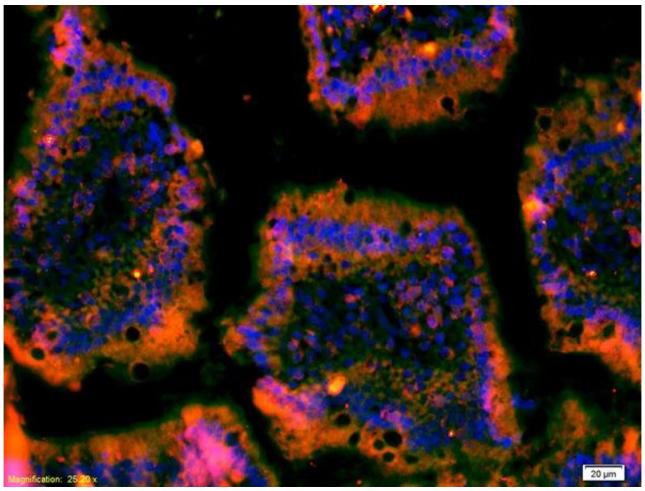
Wang, Tang, Shen, Chen, Chen, Luo, Ge: "Hepatocyte growth factor (HGF) optimizes oral traumatic ulcer healing of mice by reducing inflammation." in: **Cytokine**, Vol. 99, pp. 275-280, (2018) (PubMed).

Yu, He, Jiang, He, Fan, Wang, Geng, Dong: "Expression and tissue distribution of hepatocyte growth factor (HGF) and its receptor (c-Met) in alpacas (Vicugna pacos) skins associated with white and brown coat colors." in: **Acta histochemica**, (2015) (PubMed).

Li, Zhang, Zhao, Shi, Yao, Zhang, Guo, Liu: "Overexpression of MACC1 and the association with hepatocyte growth factor/c-Met in epithelial ovarian cancer." in: **Oncology letters**, Vol. 9, Issue 5 , pp. 1989-1996, (2015) (PubMed).

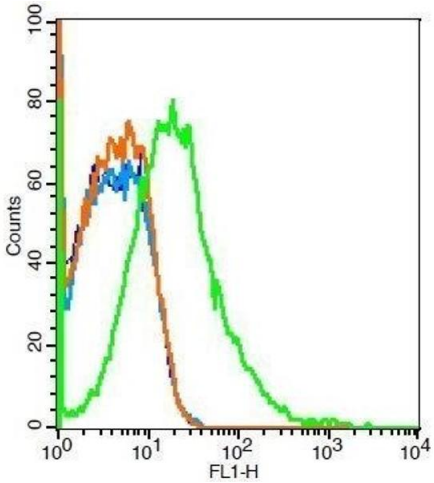
Gao, Bing, Li, Yang, Li, Chen: "Study of critical role of c-Met and its inhibitor SU11274 in colorectal carcinoma." in: **Medical oncology (Northwood, London, England)**, Vol. 30, Issue 2, pp. 546, (2013) (PubMed).

Guo, Yang, Yao, Zhang, Da, Duan: "Expression of MACC1 and c-Met in human gastric cancer and its clinical significance." in: **Cancer cell international**, Vol. 13, Issue 1, pp. 121, (2013) (PubMed).



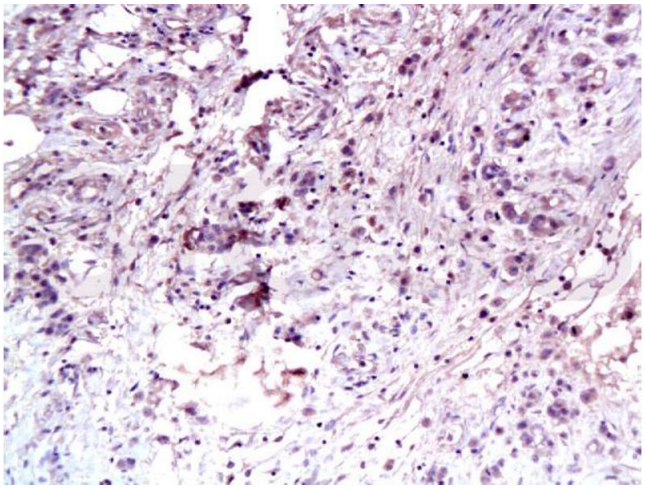
Immunofluorescence

Image 1. Formalin-fixed and paraffin-embedded mouse intestine labeled with Anti-C-Met/Met/HGFR Polyclonal Antibody, Unconjugated (ABIN671661) 1:200, overnight at 4°C, The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated used at 1:200 dilution for 40 minutes at 37°C.



Flow Cytometry

Image 2. Mouse nephrocytes probed with Rabbit Anti-Met (c Met) Polyclonal Antibody .



Immunohistochemistry

Image 3. Formalin-fixed and paraffin embedded human gastric carcinoma labeled Anti-C-Met Polyclonal Antibody, Unconjugated (ABIN671661) at 1:100, followed by conjugation to the secondary antibody and DAB staining

Please check the product details page for more images. Overall 5 images are available for ABIN671661.