

产品名称: Met Rabbit Polyclonal Antibody
产品货号: AP Rab13831



产品概述 (Summary)

产品名称 (Production Name)	Met Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	MET MET; Hepatocyte growth factor receptor; HGF receptor; HGF/SF receptor;
别名 (Alternative Names)	Proto-oncogene c-Met; Scatter factor receptor; SF receptor; Tyrosine-protein kinase Met
基因 ID (Gene ID)	4233.0
蛋白 ID (SwissProt ID)	P08581.The antiserum was produced against synthesized peptide derived from human Met. AA range:1316-1365

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	145kDa

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研究背景 (Background)

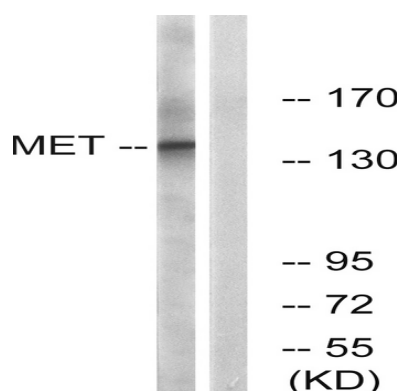
This gene encodes a member of the receptor tyrosine kinase family of proteins and the product of the proto-oncogene MET. The encoded preproprotein is proteolytically processed to generate alpha and beta subunits that are linked via disulfide bonds to form the mature receptor. Further processing of the beta subunit results in the formation of the M10 peptide, which has been shown to reduce lung fibrosis. Binding of its ligand, hepatocyte growth factor, induces dimerization and activation of the receptor, which plays a role in cellular survival, embryogenesis, and cellular migration and invasion. Mutations in this gene are associated with papillary renal cell carcinoma, hepatocellular carcinoma, and various head and neck cancers. Amplification and overexpression of this gene are also associated with multiple human cancers. [provided by RefSeq, May 2016], catalytic activity: ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate., disease: Activation of MET after rearrangement with the TPR gene produces an oncogenic protein., disease: Defects in MET are a cause of hepatocellular carcinoma (HCC) [MIM:114550], disease: Defects in MET are a cause of hereditary papillary renal carcinoma (HPRC) [MIM:605074]; also known as papillary renal cell carcinoma 2 (RCCP2). HPRC is a form of inherited kidney cancer characterized by a predisposition to develop multiple, bilateral papillary renal tumors. The pattern of inheritance is consistent with autosomal dominant transmission with reduced penetrance., disease: Defects in MET may be associated with gastric cancer., disease: Genetic variations in MET may be associated with susceptibility to autism type 9 (AUTS9) [MIM:611015]. Autism is a neurodevelopmental disorder characterized by disturbance in language, perception and socialization. The disorder is classically defined by a triad of limited or absent verbal communication, a lack of reciprocal social interaction or responsiveness, and restricted, stereotypical, and ritualized patterns of interests and behavior., domain: The kinase domain is involved in SPSB1 binding., function: Receptor for hepatocyte growth factor and scatter factor. Has a tyrosine-protein kinase activity. Functions in cell proliferation, scattering, morphogenesis and survival., online information: C-MET entry, similarity: Belongs to the protein kinase superfamily. Tyr protein kinase family., similarity: Contains 1 protein kinase domain., similarity: Contains 1 Sema domain., similarity: Contains 3 IPT/TIG domains., subunit: Heterodimer formed of an alpha chain (50 kDa) and a beta chain (145 kDa) which are disulfide linked. Binds PLXNB1 and GRB2. Interacts with SPSB1, SPSB2 and SPSB4 (By similarity). Interacts with INPP5D/SHIP1. When phosphorylated at Tyr-1356, interacts with INPPL1/SHIP2. Interacts with RANBP9 and RANBP10, as well as SPSB1, SPSB2, SPSB3 and SPSB4. SPSB1 binding occurs in the presence and in the absence of HGF, however HGF treatment has a positive effect on this interaction. Interacts with MUC20; prevents interaction with GRB2 and suppresses hepatocyte growth factor-induced cell proliferation.,

研究领域 (Research Area)

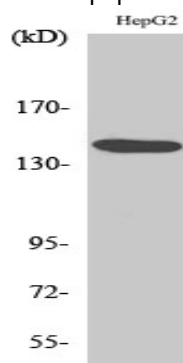
Cytokine-cytokine receptor interaction; Endocytosis; Axon guidance; Focal adhesion; Adherens Junction; Epithelial cell signaling in Helicobacter pylori infection; Pathways in cancer; Colorectal cancer; Renal cell carcinoma; Melanoma;

图片 (Image Data)

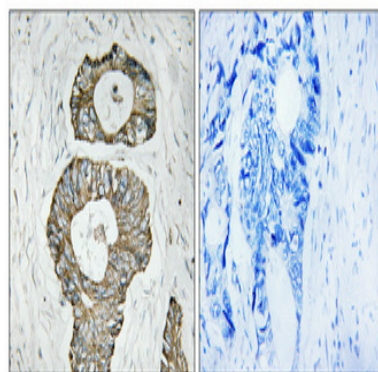
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Western blot analysis of lysates from HepG2 cells, using Met Antibody. The lane on the right is blocked with the synthesized peptide.

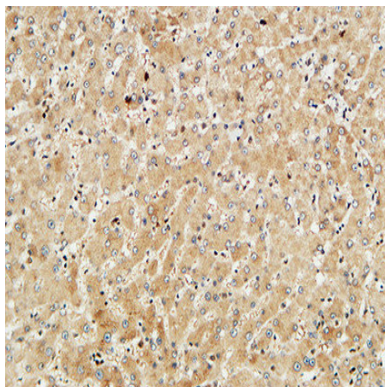


Western Blot analysis of various cells using Met Polyclonal Antibody

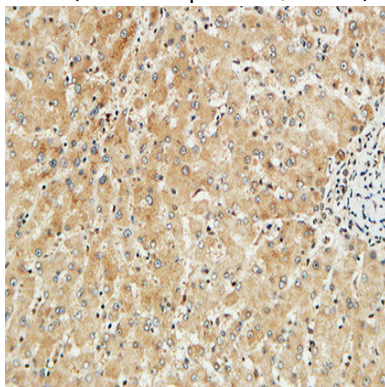


Immunohistochemical analysis of paraffin-embedded Human colon cancer. Antibody was diluted at 1:100 (4°, overnight) . High-pressure and temperature Tris-EDTA, pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.

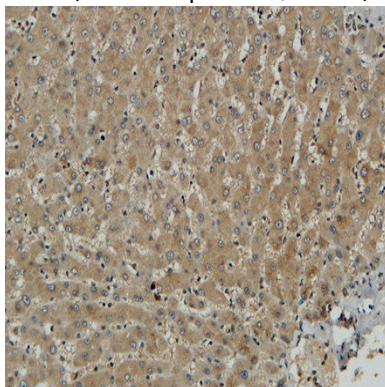
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Immunohistochemical analysis of paraffin-embedded Human liver. 1, Antibody was diluted at 1:100 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .

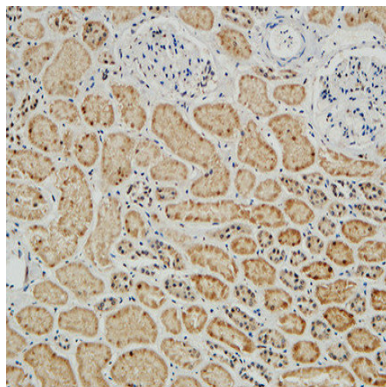


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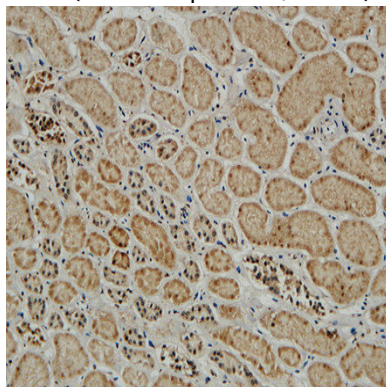


Immunohistochemical analysis of paraffin-embedded Human liver. 1, Antibody was diluted at 1:100 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .

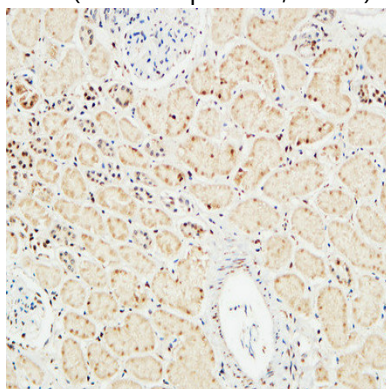
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Immunohistochemical analysis of paraffin-embedded Human kidney. 1, Antibody was diluted at 1:200 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .



Immunohistochemical analysis of paraffin-embedded Human kidney. 1, Antibody was diluted at 1:200 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .



Immunohistochemical analysis of paraffin-embedded Human kidney. 1, Antibody was diluted at 1:200 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .

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注意事项 (Note)

For research use only .