Datasheet for ABIN387741

anti-c-MET antibody (Catalytic Domain)

3 Images

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Overview

Quantity:	400 µL
Target:	c-MET (MET)
Binding Specificity:	Catalytic Domain
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This c-MET antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This monoclonal antibody is generated from mice immunized with purified recombinant protein encoding the catalytic domain of human Met.
Clone:	4AT44
Isotype:	IgG1
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	c-MET (MET)
Alternative Name:	MET/HGFR (MET Products)

Target Details

Background:	The proto-oncogene MET product is the hepatocyte growth factor receptor and encodes tyrosine-kinase activity. 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. Various mutations in the MET gene are associated with papillary renal carcinoma. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	155541
Gene ID:	4233
NCBI Accession:	NP_000236, NP_001120972
UniProt:	P08581
Pathways:	RTK Signaling, Carbohydrate Homeostasis, Synaptic Membrane, Signaling of Hepatocyte Growth Factor Receptor

Application Details

Application Notes:	IF: 1:100. WB: 1:8000. IHC-P: 1:50~100. IHC-P: 1:25
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots.
Expiry Date:	6 months

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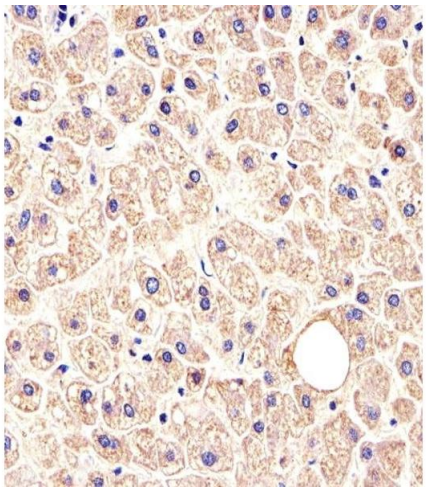
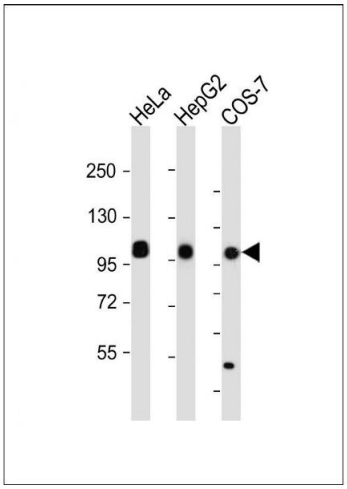


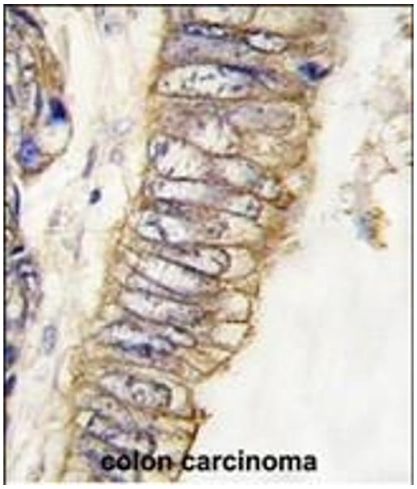
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical analysis of paraffin-embedded H.liver section using MET/HGFR Antibody (ABIN387741 and ABIN2837999). (ABIN387741 and ABIN2837999) was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Western Blotting

Image 2. All lanes : Anti-MET/HGFR Antibody at dilution Lane 1: HeLa whole cell lysate Lane 2: HepG2 whole cell lysate Lane 3: COS-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 156 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin-embedded human colon carcinoma tissue reacted with MET/HGFR Antibody (ABIN387741 and ABIN2837999) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.