Mouse anti-Human, mouse MET/HGFR Monoclonal Antibody | anti-MET antibody

MET/HGFR Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283455	**Mouse**	**Human, mouse**	**Western Blot, Immunohistochemistry, ELISA, Immunofluorescence**

PRODUCT SYNONYMS

MET/HGFR; Monoclonal Antibody; MET/HGFR Antibody; Hepatocyte growth factor receptor; HGF receptor; HGF/SF receptor; Proto-oncogene c-Met; Scatter factor receptor; SF receptor; Tyrosine-protein kinase Met; MET; anti-MET antibody

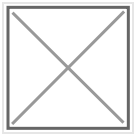
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	6AT1785
Specificity	This monoclonal antibody is generated from mice immunized with purified recombinant protein encoding the catalytic domain of human Met.
Purity/Purification	Purified Mouse Monoclonal Antibody (Mab)
Form/Format	fomat Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Concentration	Vial Concentration: 3.8 (varies by lot)
Sequence Length	1390
Applicable Applications for anti-MET antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA, IF (Immunofluorescence)
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

WB (Western Blot)
Detection of endogenous Met in HepG2 cell line. 10 ug/lane of HepG2 cell lysate was used to examine the expression of human Met. Lanes 1-5 represent different anti-Met monoclonal antibodies that are. Lane 6 represents auto-phosohorylated-Met in HepG2 cell line detected by anti-phospho-Met Mab.

IHC (Immunohiostchemistry)
MET/HGFR Antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of the MET/HGFR Antibody for immunohistochemistry. Clinical relevance has not been evaluated.



IF (Immunofluorescence)
Fluorescent confocal image of HepG2 cells stained with MET/HGFR antibody. HepG2 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min). Cells were then incubated with AAA283455 MET/HGFR primary antibody (1:200, 2 h at room temperature). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-mouse antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue) (10 ug/ml, 5 min). Note the highly specific localization of the MET immunosignal to the cytoplasm, supported by Human Protein Atlas Data (http://www.proteinatlas.org/ENSG00000105976).

ADDITIONAL INFORMATION

Related Product Information for anti-MET antibody	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.
Product Categories/Family for anti-MET antibody	Cancer; Signal Transduction
References	References for protein: 1.MET receptor sequence variants R970C and T992I lack transforming capacity. Tyner JW, et al. Cancer Res, 2010 Aug 1. PMID 20670955. 2.Further evidence for the role of MET in autism susceptibility. Thanseem I, et al. Neurosci Res, 2010 Oct. PMID 20615438. 3.Increased HGF and c-Met in muscle tissues of polymyositis and dermatomyositis patients: beneficial roles of HGF in muscle regeneration. Sugiura T, et al. Clin Immunol, 2010 Sep. PMID 20580899. 4.Correlation between hepatocyte growth factor receptor and vascular endothelial growth factor-A in breast carcinoma. 5.Gisterek I, et al. Folia Histochem Cytobiol, 2010 Jan 1. PMID 20529820. 6.MET overexpressing chordomas frequently exhibit polysomy of chromosome 7 but no MET activation through sarcoma-specific gene fusions. Grabellus F, et al. Tumour Biol, 2010 Jun. PMID 20512480. References for HepG2 cell line: 1. Knowles BB, et al. (1980). Human hepatocellular carcinoma cell lines secrete the major plasma proteins and hepatitis B surface antigen. Science 209: 497-499.[PubMed: 6248960]. 2. Darlington GJ, et al. (1987). Growth and hepatospecific gene expression of human hepatoma cells in a defined medium. In Vitro Cell. Dev. Biol. 23: 349-354.[PubMed: 3034851]. 3. Ihrke, G; Neufeld, EB; Meads, T; Shanks, MR; Cassio, D; Laurent, M; Schroer, TA; Pagano, RE et al. (1993). "WIF-B cells: an in vitro model for studies of hepatocyte polarity". Journal of Cell Biology 123 (6): 1761-1775. [PubMed:7506266]. 4. Mersch-Sundermann, V.; Knasmüller, S.; Wu, X. J.; Darroudi, F.; Kassie, F. (2004). "Use of a human-derived liver cell line for the detection of cytoprotective, antigenotoxic and cogenotoxic agents". Toxicology 198 (1-3): 329-340. [PubMed:15138059].

NCBI AND UNIPROT INFORMATION

NCBI GI #	42741655
NCBI GeneID	4233
NCBI Accession #	NP_000236.2; NP_001120972.1
NCBI GenBank Nucleotide #	NM_000245.2
UniProt Accession #	P08581; O60366; Q12875; Q9UDX7; Q9UPL8; A1L467; B5A932; E7EQ94
Molecular Weight	155541
NCBI Official Full Name	hepatocyte growth factor receptor isoform b
NCBI Official Synonym Full Names	MET proto-oncogene, receptor tyrosine kinase

NCBI Official Symbol	MET
NCBI Official Synonym Symbols	HGFR; AUTS9; RCCP2; c-Met; DFNB97
NCBI Protein Information	hepatocyte growth factor receptor
UniProt Protein Name	Hepatocyte growth factor receptor
UniProt Gene Name	**MET**
UniProt Synonym Gene Names	HGF receptor; SF receptor
UniProt Entry Name	MET_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/met-hgfr-antibody-clone-6at1785-western-blot-immunohistochemistry-immunofluorescence-elisa/283455