OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for UM800082CF

MET Mouse Monoclonal Antibody [Clone ID: UMAB190]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB190
Applications:	IF, IHC, WB
Recommended Dilution:	IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 570-885 of human MET(NP_000236) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	153 kDa
Gene Name:	MET proto-oncogene, receptor tyrosine kinase
Database Link:	NP_000236 Entrez Gene 17295 MouseEntrez Gene 24553 RatEntrez Gene 4233 Human P08581

View online »

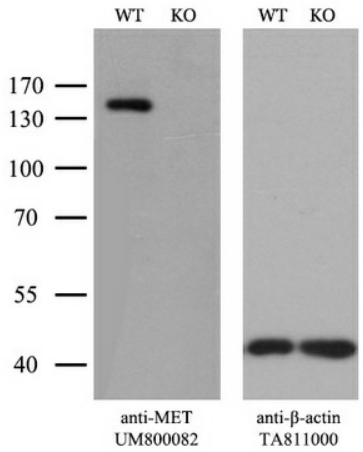
Background: The proto-oncogene MET product is the hepatocyte growth factor receptor and encodes tyrosine-kinase activity. The primary single chain precursor protein is post-translationally cleaved to produce the alpha and beta subunits, which are disulfide linked to form the mature receptor. Various mutations in the MET gene are associated with papillary renal carcinoma. Two transcript variants encoding different isoforms have been found for this gene. (provided by RefSeq, Jul 2008)

Synonyms: AUTS9; c-Met; DFNB97; HGFR; RCCP2

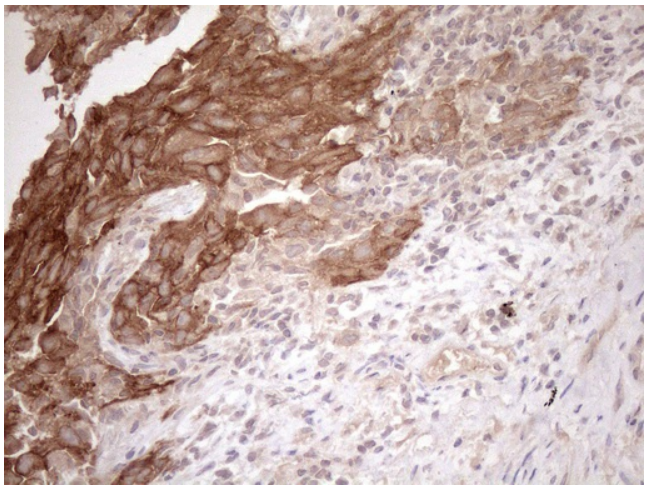
Protein Families: Druggable Genome, Protein Kinase, Transmembrane

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

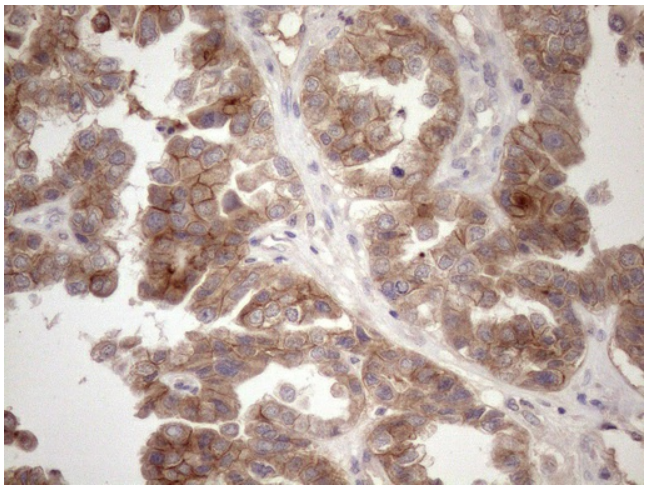
Product images:



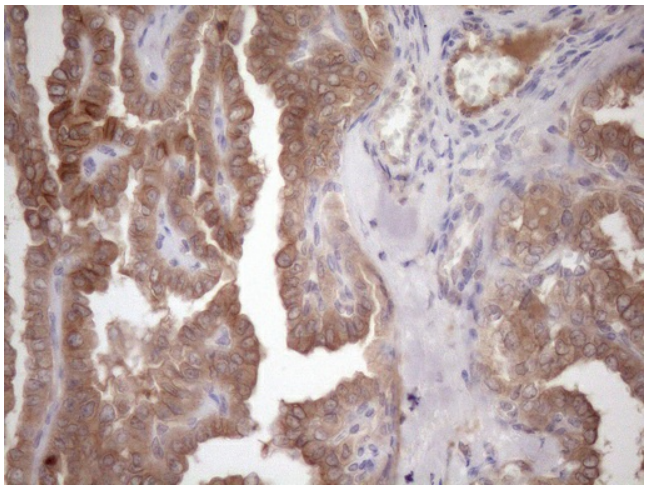
Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and MET-Knockout hela cells (KO, Cat# [LC810144]) were separated by SDS-PAGE and immunoblotted with anti-MET monoclonal antibody [UM800082]. Then the blotted membrane was stripped and reprobed with anti-β-actin ([TA811000]) as a loading control (1:500).



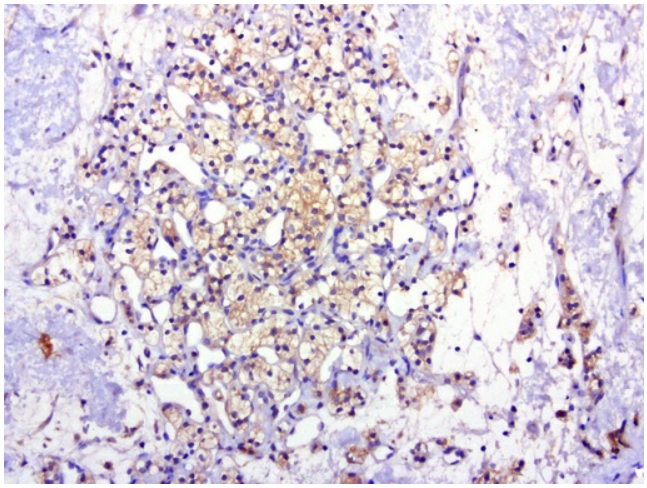
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-MET mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 110°C for 10min, [UM800082]) (1:150)



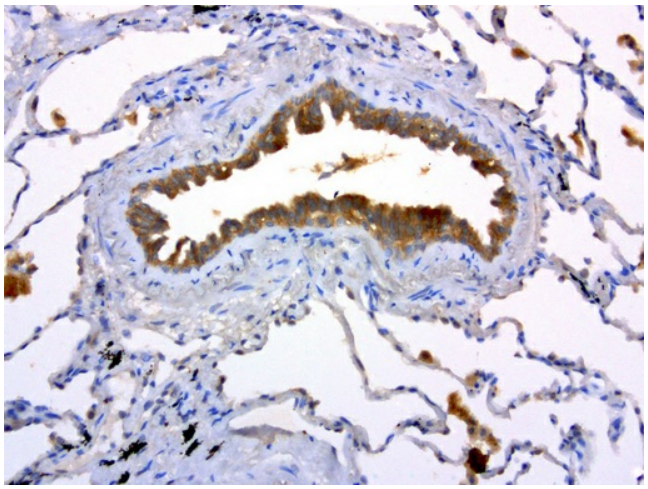
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-MET mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 110°C for 10min, [UM800082]) (1:150)



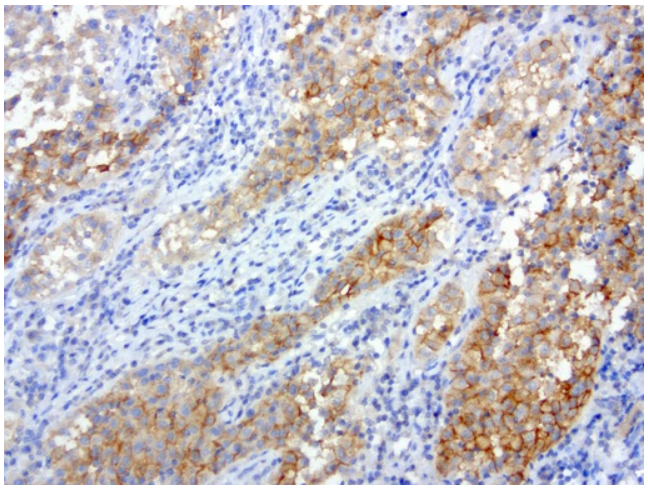
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-MET mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 110°C for 10min, [UM800082]) (1:150)



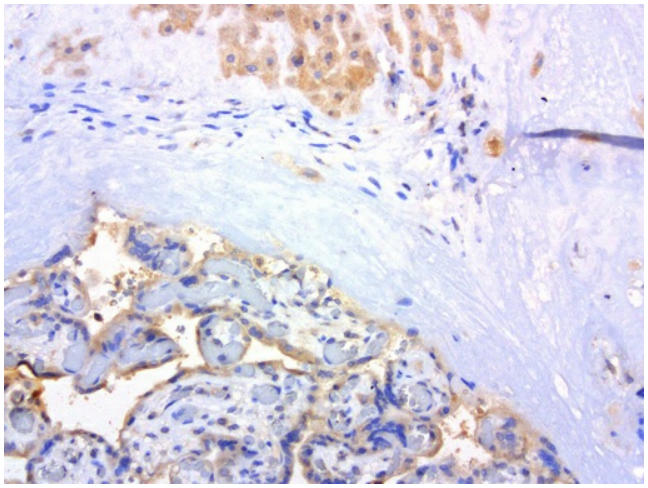
Immunohistochemical staining of paraffin-embedded human renal carcinoma using anti-MET clone UMAB190 mouse monoclonal antibody at 1:200 dilution 1mg/mL and detection with Polink2 Broad HRP DAB. [UM800082] requires heat-induced epitope retrieval with ACCEL in a presure cooker for 3 minutes at 110C. The image shows strong membranous and cytoplasmic staining in the tumor cells of the kidney.



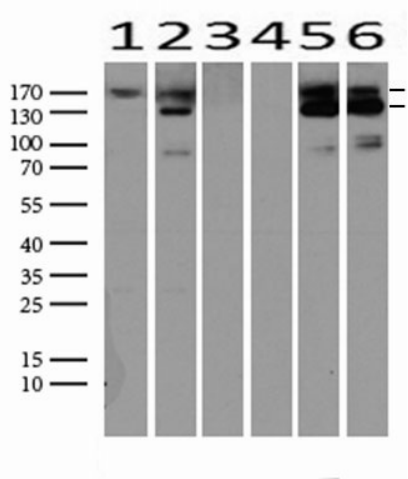
Immunohistochemical staining of paraffin-embedded human adjacent normal lung using anti-MET clone UMAB190 mouse monoclonal antibody at 1:200 dilution 1mg/mL and detection with Polink2 Broad HRP DAB. [UM800082] requires heat-induced epitope retrieval with ACCEL in a presure cooker for 3 minutes at 110C. The image shows strong membranous and cytoplasmic in brochial tubes.



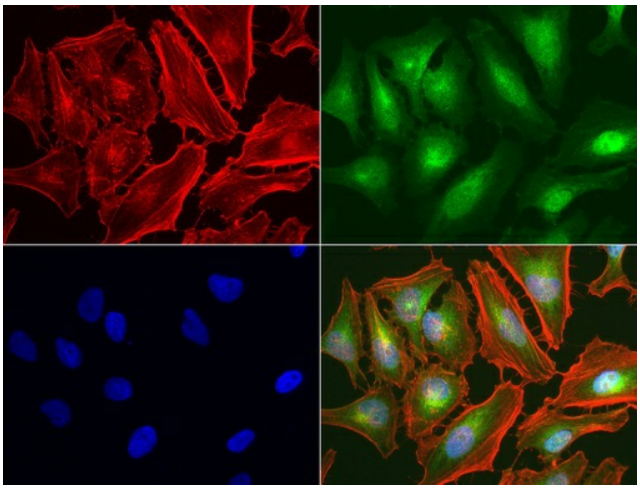
Immunohistochemical staining of paraffin-embedded human melanoma using anti-MET clone UMAB190 mouse monoclonal antibody at 1:200 dilution 1mg/mL and detection with Polink2 Broad HRP DAB. [UM800082] requires heat-induced epitope retrieval with ACCEL in a presure cooker for 3 minutes at 110C. The image shows strong membranous and cytoplasmic staining in epithelial cells.



Immunohistochemical staining of paraffin-embedded human placenta using anti-MET clone UMAB190 mouse monoclonal antibody at 1:200 dilution 1mg/mL and detection with Polink2 Broad HRP DAB. [UM800082] requires heat-induced epitope retrieval with ACCEL in a presure cooker for 3 minutes at 110C. The image shows strong membranous and cytoplasmic staining in the trophoblasts.



Western blot of whole cell lysate (25ug) (1: MCF7; 2: HeLa; 3: Jurkat; 4: PC-12; 5: COS-7; 6: A549). The labelled upper band is Pro-Met and the labelled lower band is Met. Dilution: 1:500



Immunofluorescent staining of HeLa cells using anti-MET mouse monoclonal antibody ([UM800082], green, 1:50). Actin filaments were labeled with Alexa Fluor® 594 Phalloidin (red), and nuclear with DAPI (blue).