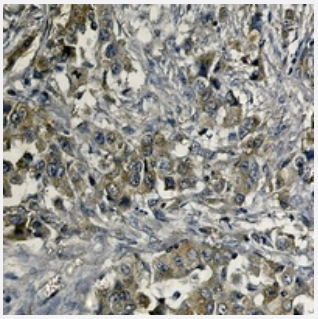
RecomAb™

MET recombinant monoclonal antibody

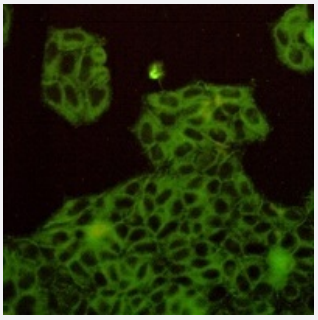
Catalog # RAB02520 Size 100 uL

Applications



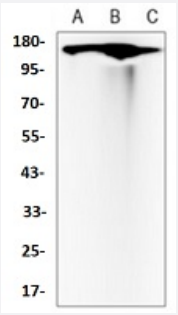
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of human lung cancer formalin fixed paraffin embedded tissue section using c-Met recombinant monoclonal antibody (Cat # RAB02520). The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.84). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescence

Immunofluorescent analysis of HeLa cells with c-Met recombinant monoclonal antibody (Cat # RAB02520). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.



Western Blot (Cell lysate)

Western blot analysis of K562 (A), C6 (B), NIH3T3 (C) whole cell lysates with c-Met recombinant monoclonal antibody (Cat # RAB02520).

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Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human MET.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human Met (c-Met).
Theoretical MW (kDa)	170
Reactivity	Human, Mouse, Rat
Specificity	Recognizes endogenous levels of c-Met protein.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:100) Immunofluorescence (1:50-1:100) Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of human lung cancer formalin fixed paraffin embedded tissue section using c-Met recombinant monoclonal antibody (Cat # RAB02520). The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.84). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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- Immunofluorescence

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- Immunocytochemistry

- Western Blot (Cell lysate)

  Western blot analysis of K562 (A), C6 (B), NIH3T3 (C) whole cell lysates with c-Met recombinant monoclonal antibody (Cat # RAB02520).

Gene Info — MET

Entrez GeneID	4233
Protein Accession#	P08581
Gene Name	MET
Gene Alias	AUTS9, HGFR, RCCP2, c-Met
Gene Description	met proto-oncogene (hepatocyte growth factor receptor)
Omim ID	114550 164860 605074 611015
Gene Ontology	Hyperlink
Gene Summary	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 produc e the alpha and beta subunits, which are disulfide linked to form the mature receptor. Various mut ations in the MET gene are associated with papillary renal carcinoma. Two transcript variants enc oding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	HGF receptor|OTTHUMP00000069168|SF receptor|met proto-oncogene|met proto-oncogene tyr osine kinase|oncogene MET|scatter factor receptor

Pathway

- Adherens junction
- Axon guidance
- Colorectal cancer

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- Cytokine-cytokine receptor interaction
- Endocytosis
- Epithelial cell signaling in Helicobacter pylori infection
- Focal adhesion
- Melanoma
- Pathways in cancer
- Renal cell carcinoma

Disease

- Adenocarcinoma
- Autistic Disorder
- Carcinoma
- Cell Transformation
- Child Development Disorders
- Chronic Disease
- Cognition Disorders
- Disease Progression
- Gastrointestinal Diseases
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Hyperparathyroidism
- Lung Neoplasms
- Myopia
- Nasal Polyps
- Neoplasm Metastasis
- Neoplasms

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- Neuropsychological Tests
- Pancreatic cancer
- Pancreatic Neoplasms
- Pulmonary Disease
- Refractive Errors
- Rhinitis
- Schizophrenia
- Sinusitis
- Skin Neoplasms
- Urinary Bladder Neoplasms
- Werner syndrome

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