

Mouse Anti-Met/c-Met/HGFR (extracellular) [4F8.2]: MC0060, MC0060RTU7

Intended Use: For Research Use Only

Description: The proto-oncogene Met or c-Met or HGFR is a receptor tyrosine kinase that is activated upon Hepatocyte Growth Factor binding. This stimulates the autophosphorylation on Tyr1234/Tyr1235 which leads to pleiotropic downstream signaling events in epithelial cells that stimulate multiple cellular processes including cell proliferation, growth, differentiation, cell migration/ invasion, and tumorigenesis. These effects are mediated by SH2 domain-containing proteins that bind to the C-terminal tail of c-Met. Chronic stimulation of Met on cancer cells is thought to play a role in metastasis and dysregulation of c-Met activity is directly associated with oncogenesis, making it an important cancer target.

Specifications

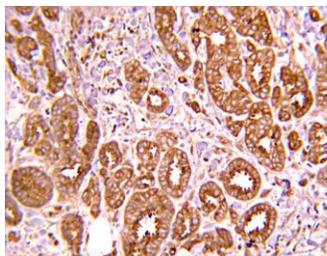
Clone: 4F8.2
 Source: Mouse
 Isotype: IgG2b/k
 Reactivity: Human
 Localization: Membrane
 Formulation: Antibody in PBS pH7.4 containing BSA and ≤ 0.09% sodium azide (NaN3)
 Storage: Store at 2°- 8°C
 Applications: IHC, WB
 Package:

Description	Catalog No.	Size
Met/c-Met/HGFR (extracellular) [4F8.2] Concentrated	MC0060	1 ml
Met/c-Met/HGFR (extracellular) [4F8.2] Prediluted	MC0060RTU7	7 ml

IHC Procedure*

Positive Control Tissue: Non-small cell lung carcinoma
 Concentrated Dilution: 25-100
 Pretreatment: Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human rectal carcinoma stained with anti-Met using DAB, note the staining in the malignant cells and not bordering muscularis mucosa

References:

1. Dissecting the role of human embryonic stem cell-derived mesenchymal cells in human umbilical vein endothelial cell network stabilization in three-dimensional environments. Boyd, NL, et al. Tissue engineering. Part A, 19: 211-23, 2013.
2. Cellular mechanisms underlying the regulation of dendritic development by hepatocyte growth factor. Charles Finsterwald, Jean-Luc Martin. The European journal of neuroscience 34, 2011.
3. Crystal structure of the tyrosine kinase domain of the hepatocyte growth factor receptor c-Met and its complex with the microbial alkaloid K-252a. Schiering, Nikolaus, et al. Proc. Natl. Acad. Sci. USA 100: 12654-9, 2003.

Doc. 100-MC0060
Rev. A