

c-Met (ZR478) Rabbit Monoclonal Antibody

Host: Rabbit
Specificity: Human
Immunogen: Synthetic human c-Met protein.
Ig Class: Ig G
Storage: Store at 2-8°C for up to 2 years for concentration form and 18 months for predilute form.

Specification: c-Met (ZR478) Rabbit monoclonal primary antibody detects c-Met protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.
Staining procedures: Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended. Detection method: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:100-200. Positive Control: sample known to contain c-Met protein.

Localization: Cytoplasmic/cell surface

Intended Use: Research Use Only (RUO). This antibody is not for diagnostic use.
Description: c-Met (c-mesenchymal epithelial transition factor) is a proto-oncogene tyrosine kinase receptor for hepatocyte growth factor (HGF). The Met proto-oncogene product is a disulfide-linked heterodimer made of 45 kDa α - and 145 kDa β -subunits. The α -subunit and the amino-terminal region of the β -subunit form the extracellular domain. The remainder of the β -chain spans the plasma membrane and contains a cytoplasmic region with tyrosine kinase activity. Interaction of Met with HGF results in autophosphorylation at multiple tyrosines, which recruit several downstream signaling components, including Gab1, c-Cbl, and PIK3 kinase. These fundamental events are important for all the biological functions involving Met kinase activity. The Met proto-oncogene product is a transmembrane receptor-like protein with tyrosine kinase activity that is expressed in many tissues. By immunohistochemistry, c-Met overexpression is present in many types of carcinomas with c-Met gene amplifications. Activating mutations affecting the MET receptor tyrosine kinase are present in several types of human cancers, particularly in papillary renal cell carcinoma, papillary thyroid carcinoma, gastric cancer, and hepatocellular carcinoma.

Supplied As: Purified antibody in Tris-HCl pH 7.4 buffer containing stabilizing proteins (including < 1% Bovine Serum Albumin) and < 0.1% ProClin by volume.

References:

1. Wasenius VM, et al: Am J Surg Pathol. 2005;29(4):544-9.
2. Schirosi L, et al: AM J Surg Pathol. 2008;32(11):1627-42.
3. Bontoux C, et al: J Clin Pathol. 2024;78(1):35-41.
4. Bontoux C, et al: AM J Surg Pathol. 2024;48(9):1072-1081.

**Z2848RL-R/ Z2848RS-R/ Z2848RT-R /Z2848RP-R (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)****ZETA** Corporation605 E. Huntington Dr., Suite 204
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