Met (P978) polyclonal antibody

Catalog: BS9467 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Met, a high affinity tyrosine kinase receptor for hepatocyte growth factor (HGF, also known as scatter factor) 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 PI3 kinase. These fundamental events are important for all of the biological functions involving Met kinase activity. The addition of a phosphate at cytoplasmic Tyr1003 is essential for Met protein ubiquitination and degradation. Phosphorylation at Tyr1234/1235 in the Met kinase domain is critical for kinase activation. Phosphorylation at Tyr1349 in the Met cytoplasmic domain provides a direct binding site for Gab1. Research studies have shown that altered Met levels and/or tyrosine kinase activities are found in several types of tumors, including renal, colon, and breast. Thus, investigators have concluded that Met is an attractive potential cancer therapeutic and diagnostic target.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 140, 170 kDa

Swiss-Prot:

P08581

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

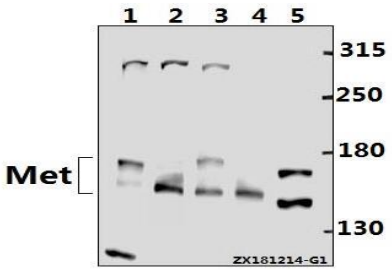
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

Met (P978) polyclonal antibody detects endogenous levels of Met protein.

DATA:



Western blot (WB) analysis of Met (P978) polyclonal antibody at 1:500 dilution

Lane1:CT26 whole cell lysate(40ug)

Lane2:A2780 whole cell lysate(40ug)

Lane3:Hela whole cell lysate(40ug)

Lane4:A549 whole cell lysate(40ug)

Lane5:The Stomach tissue lysate of Rat(40ug)

Note:

For research use only, not for use in diagnostic procedure.

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