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Mouse Monoclonal Antibody to

MET activation loop

clone 14G9

Order No.: **0212-100/MET-14G9**

Size (µg) 100

Lot No.: 0212S

01/160307F

Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG1	human	WB	145 kDa	A431	kinase activation loop	peptide conjugated to hemocyanin

Background and Specificity:

MET is a high affinity receptor for Hepatocyte Growth Factor/Scatter Factor HGF/SF. The (HGF/SF)-(HGFR/MET) ligand-receptor system appears to have an important role in controlling interaction between mesenchymal cells and other cell types and has been implicated in the cell mitogenic response, cell motility and development.
The interaction with HGF leads to autophosphorylation at multiple tyrosine residues and recruiting of several downstream signaling components (Gab1, c-cbl, PI3-kinase). The phosphorylation of Tyr 1234/1235 leads to kinase activation, and phospho-Tyr 1349 is the Gab1 binding site. Altered MET levels and/or tyrosine kinase activities have been found in different tumors, such as colon, renal, and breast cancer.

Related Products

Purification: The antibody was purified from serum-free cell culture supernatant by subsequent ultrafiltration and size exclusion chromatography.

Formulation: lyophilized from 1 ml PBS / 0.09 % Na-azide / PEG and Sucrose

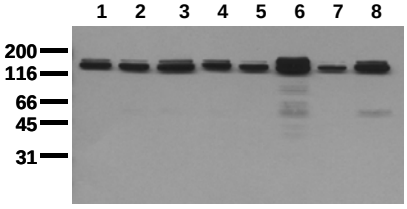
Reconstitution: Reconstitute with 1 ml H2O (15 min, RT).

Stability: For long-term storage, freeze lyophilizate upon arrival (-20°C). Upon reconstitution, aliquote and freeze in liquid nitrogen; reconstituted antibody can be stored frozen at -80°C up to 1 year. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.

Avoid repeated freeze / thaw cycles.

Positive Control: #0831: Cell lysate from untreated A431 cells.

Immunoblotting: 0.5 µg/ml for HRPO/ECL detection
Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.



Detection of endogenous MET
Whole cell extracts of EGF stimulated tumor cells (20.000 cells per lane) were applied to SDS-PAGE and transferred to PVDF membranes. Immunoblots were probed with mab MET-14G9 (0.5 µg/ ml) for 1h at RT and developed by ECL (exp. time: 30 sec).
lane 1: A431; lane 2: A549; lane 3: SKOV3; lane 4: OVCAR5; lane 5: HaCaT; lane 6: PC3; lane 7: HeLa; lane 8: HepG2

Immunoprecipitation: ND

Immunocytochemistry: ND

ELISA: ND

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