

c-Met (Phospho-Tyr1003) Antibody

Catalog No: #11971

Package Size: #11971-1 50ul #11971-2 100ul

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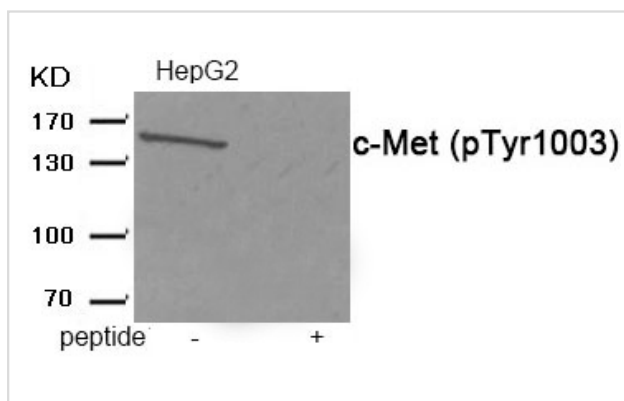
Description

Product Name	c-Met (Phospho-Tyr1003) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of c-Met only when phosphorylated at tyrosine 1003.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 1003 (V-D-Y(p)-R-A) derived from Human c-Met.
Target Name	c-Met
Modification	Phospho
Other Names	HGF receptor; HGF-SF receptor; Hepatocyte growth factor receptor precursor; Hepatocyte growth factor receptor precursor; Met proto- oncogene tyros
Accession No.	Swiss-Prot#: P08581; NCBI Gene#: 4233; NCBI Protein#: NP_000236.2
Uniprot	P08581
GeneID	4233;
SDS-PAGE MW	155kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HepG2 tissue using c-Met (Phospho-Tyr1003) antibody #11971. The lane on the right is treated with the antigen-specific peptide.

Background

Receptor tyrosine kinase that transduces signals from the extracellular matrix into the cytoplasm by binding to hepatocyte growth factor/HGF ligand. Regulates many physiological processes including proliferation, scattering, morphogenesis and survival. Ligand binding at the cell surface induces autophosphorylation of MET on its intracellular domain that provides docking sites for downstream signaling molecules. Following activation by ligand, interacts with the PI3-kinase subunit PIK3R1, PLCG1, SRC, GRB2, STAT3 or the adapter GAB1.

Usatyuk PV, et al. (2014) *J Biol Chem.*

Asiedu MK, et al. (2014) *Oncogene* 33, 1316-24.

Dulak AM, et al. (2011) *Oncogene*

30, 3625-35.

Note: This product is for in vitro research use only