

Phospho-Met-Y1234/Y1235 Rabbit mAb

Catalog No.: AP1643

Recombinant

Basic Information

Observed MW

145 kDa

Calculated MW

86 kDa/156 kDa/158 kDa

Category

Primary antibody

Applications

WB,IF/ICC,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC3892

Background

This gene encodes a member of the receptor tyrosine kinase family of proteins and the product of the proto-oncogene MET. The encoded preproprotein is proteolytically processed to generate alpha and beta subunits that are linked via disulfide bonds to form the mature receptor. Further processing of the beta subunit results in the formation of the M10 peptide, which has been shown to reduce lung fibrosis. Binding of its ligand, hepatocyte growth factor, induces dimerization and activation of the receptor, which plays a role in cellular survival, embryogenesis, and cellular migration and invasion. Mutations in this gene are associated with papillary renal cell carcinoma, hepatocellular carcinoma, and various head and neck cancers. Amplification and overexpression of this gene are also associated with multiple human cancers.

Recommended Dilutions

WB 1:2000 - 1:12000**IF/ICC** 1:1000 - 1:5000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

4233

Swiss Prot

P08581

Immunogen

This information is considered to be commercially sensitive.

Synonyms

DA11; HGFR; AUTS9; RCCP2; c-Met; DFNB97

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

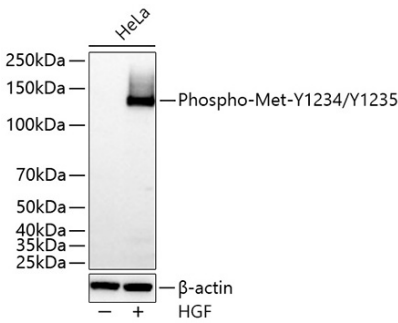
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

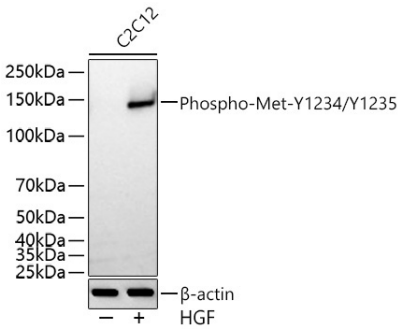
Contact

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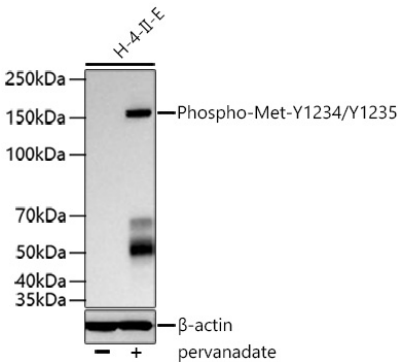
Validation Data



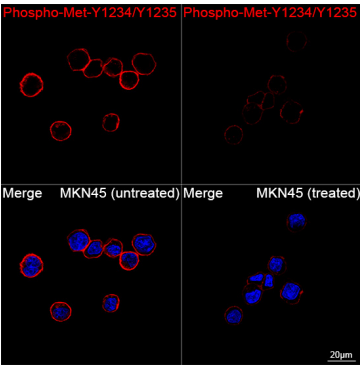
Western blot analysis of lysates from HeLa cells using Phospho-Met-Y1234/Y1235 Rabbit mAb (AP1643) at 1:5000 dilution incubated overnight at 4°C. HeLa cells were treated with HGF (200 ng/mL) at 37°C for 30 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.



Western blot analysis of lysates from C2C12 cells using Phospho-Met-Y1234/Y1235 Rabbit mAb (AP1643) at 1:5000 dilution incubated overnight at 4°C. C2C12 cells were treated with HGF (100 ng/mL) at 37°C for 10 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.



Western blot analysis of lysates from H-4-II-E cells using Phospho-Met-Y1234/Y1235 Rabbit mAb (AP1643) at 1:12000 dilution incubated overnight at 4°C. H-4-II-E cells were treated with pervanadate (100 µM) at 37°C for 10 minutes after serum starvation for 24 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.



Confocal imaging of MKN45 cells (untreated) and MKN45 cells (treated with λPP) using

Validation Data

Phospho-Met-Y1234/Y1235 Rabbit mAb (AP1643, dilution 1:2000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.