

MEK1 (phospho-T286) polyclonal antibody

Catalog: BS4844

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

MEK1 (Mitogen activated protein kinase kinase 1) catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in a Thr-Glu-Tyr sequence located in MAP kinases. MEK1 activates ERK1 and ERK2 MAP kinases. Mitogen activated protein kinase kinase 2 (MEK2 or MAPKK2) is a member of a family of tyrosine/threonine protein kinases that activate the ERK1 and 2 and MAPK enzymes by phosphorylating both residues within the threonine/glutamate/tyrosine (TEY) motif in the activation loop. MEK1 and 2 are also activated by dual phosphorylation, which occurs on serine 218 and 222, in the activation loop of the MEK. Threonine 292 of MEK1 is phosphorylated by ERK 2, which serves as a negative feedback loop by suppressing activation of MEK1.

Product:

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

Molecular Weight:

~ 43 kDa

Swiss-Prot:

Q02750

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

IHC:1:50~1:200

Storage&Stability:

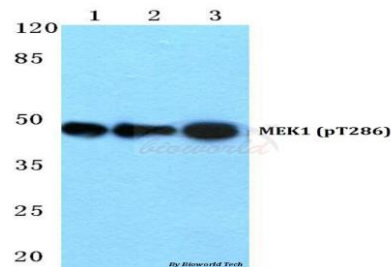
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

p-MEK1 (T286) polyclonal antibody detects endogenous levels of MEK1 protein only when phosphorylated at

Thr286.

DATA:

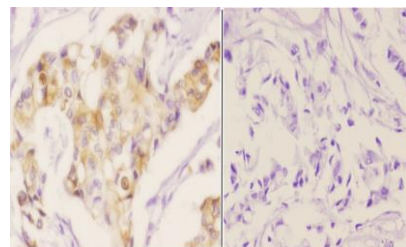


Western blot (WB) analysis of p-MEK1 (T286) polyclonal antibody at 1:500 dilution

Lane1:HEK293T cell lysate treated with PMA(100nM,30mins)

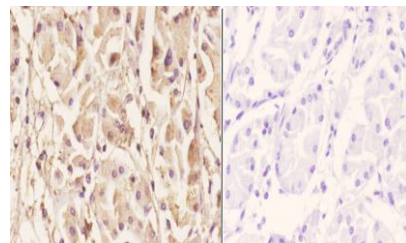
Lane2:NIH-3T3 cell lysate treated with UV(24h)

Lane3:PC12 cell lysate treated with PMA(100nM,15mins)



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Immunohistochemistry (IHC) analyzes of p-MEK1 (T286) pAb in paraffin-embedded human breast carcinoma tissue at 1:50, showing cytoplasmic and nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



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Immunohistochemistry (IHC) analyzes of p-MEK1 (T286) pAb in paraffin-embedded human stomach carcinoma tissue at 1:50, showing cytoplasmic and nucleus staining. Negative control (the right) Using PBS

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PRODUCT DATA SHEET

Bioworld Technology, Inc.

instead of primary antibody, secondary antibody is Goat Anti-Rabbit
IgG-biotin followed by avidin-peroxidase.

Note:

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

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