MEK1/2 (phospho-S218/222) polyclonal antibody

Catalog: BS4733 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:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 43 kDa

Swiss-Prot:

Q02750/P36507

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

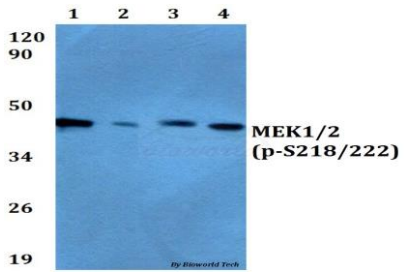
Storage&Stability:

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

Specificity:

p-MEK1/2 (S218/222) polyclonal antibody detects endogenous levels of MEK-1 protein only when phosphorylated at Ser218. This antibody also detects endogenous levels of MEK-2 protein only when phosphorylated at Thr222.

DATA:



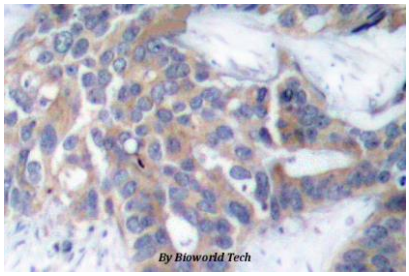
Western blot (WB) analysis of p-MEK1/2 (S218/222) polyclonal antibody at 1:500 dilution

Lane1:A549 cell lysate treated with PMA(100nM,30mins)

Lane2:Raw264.7 cell lysate treated with PMA(100nM,30mins)

Lane3:NIH-3T3 cell lysate treated with PMA(100nM,30mins)

Lane4: PC12 cell lysate treated with PMA(100nM,30mins)



Immunohistochemistry (IHC) analyzes of p-MEK1/2 (S218/222) pAb in paraffin-embedded human breast carcinoma tissue.

Note:

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

Bioworld Technology, Inc.
Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416,USA.
Email: info@bioworlde.com
Tel: 6123263284
Fax: 6122933841

Bioworld technology, co. Ltd.
Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.
Email: info@biogot.com
Tel: 0086-025-68037686
Fax: 0086-025-68035151