MEK1 (phospho-S218/S222) Rabbit monoclonal antibody

Catalog: BS9945M Host: Rabbit Reactivity: Human

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:

Protein A affinity purified

Applications:

WB: 1:1000-1:2000

ICC/IF: 1:50-1:200

IHC: 1:50-1:200

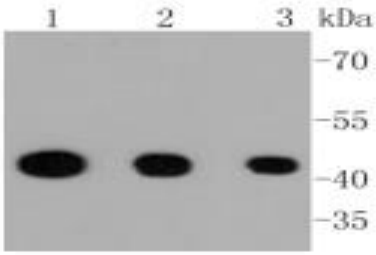
Storage&Stability:

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

Specificity:

This antibody detects endogenous levels of MEK1 protein only when phosphorylated at Ser218 and/or Ser222.

DATA:

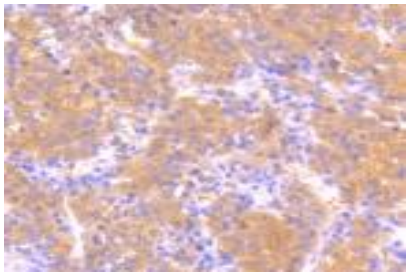


Western blot (WB) analysis of MEK1 (phospho-S218/S222) Rabbit mAb at 1:1000 dilution

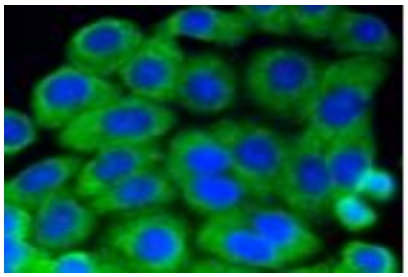
Lane1:A431 whole cell lysate

Lane2:Hela whole cell lysate

Lane3:293T whole cell lysate



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-Phospho-MEK1(S218/S222) antibody. Counter stained with hematoxylin.



ICC staining Phospho-MEK1(S218/S222) in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

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