MEK1 (phospho-T292) polyclonal antibody

Catalog:	BCP01083	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:

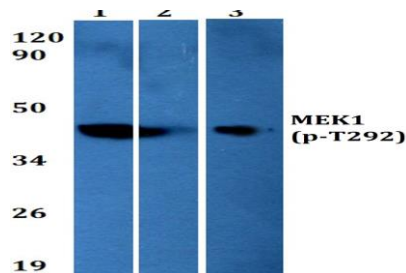WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 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 (T292) polyclonal antibody detects endogenous levels of MEK1protein only when phosphorylated at Thr292.

DATA:

Western blot (WB) analysis of p-MEK1 (T292) pAb at 1:500 dilution
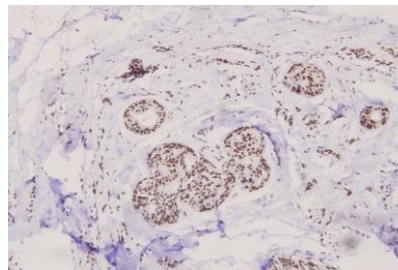
Lane1:CT26 whole cell lysate(40ug)

Lane2:H9C2 whole cell lysate(40ug)

Lane3:A2780 whole cell lysate(40ug)

Lane4:H1792 whole cell lysate(40ug)

Lane5:SGC7901 whole cell lysate(40ug)

Lane6:A549 whole cell lysate(40ug)

Immunohistochemistry (IHC) analyzes of p-MEK1 (T292) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

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