

MEK-4/ MAP2K4 (phospho-S80) polyclonal antibody

Catalog: BS4167

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The prototype member of this family, designated MAP kinase kinase, or MEK-1, specifically phosphorylates the MAP kinase regulatory threonine and tyrosine residues present in the Thr-Glu-Tyr motif of ERK. A second MEK family member, MEK-2, resembles MEK-1 in its substrate specificity. MEK-3 (or MKK-3) functions to activate p38 MAP kinase, and MEK-4 (also called SEK1 or MKK-4) activates both p38 and JNK MAP kinases. MEK-5 appears to specifically phosphorylate ERK 5, whereas MEK-6 phosphorylates p38 and p38 β . MEK-7 (or MKK-7) phosphorylates and activates the JNK signal transduction pathway.

Product:

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

Molecular Weight:

~ 44 kDa

Swiss-Prot:

P45985

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:

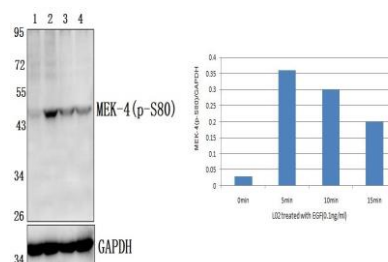
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

p-MEK-4/ MAP2K4 (S80) polyclonal antibody detects

endogenous levels of MEK-4 protein only when phosphorylated at Ser80.

DATA:



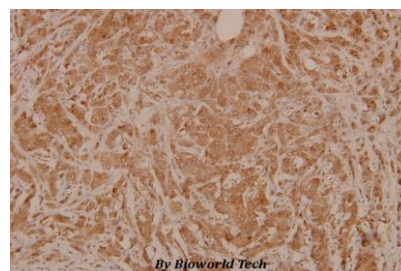
Western blot (WB) analysis of MEK-4 (phospho-S80) polyclonal antibody at 1:500 dilution

Lane1:L02 whole cell lysate

Lane2:L02 treated with EGF(0.1ng/ml, 5min) whole cell lysate

Lane3:L02 treated with EGF(0.1ng/ml, 10min) whole cell lysate

Lane4:L02 treated with EGF(0.1ng/ml, 15min) whole cell lysate



Immunohistochemistry (IHC) analyzes of p-MEK-4/ MAP2K4 (S80) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

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

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