

## MEK-4 (K350) polyclonal antibody

Catalog: BS2276

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 $\beta$ . MEK-7 (or MKK-7) phosphorylates and activates the JNK signal transduction pathway.

### Product:

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

### 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/IF: 1:50~1:200

IP: 1:10~1:100

### Storage&Stability:

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

### Specificity:

Western blot (WB) analysis of MEK-4 (K350) polyclonal antibody at 1:500 dilution

Lane1:Hela whole cell lysate(40ug)

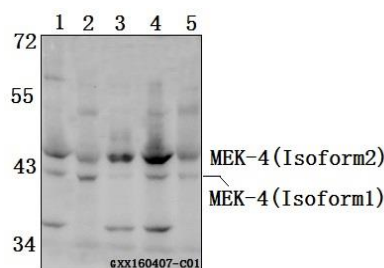
Lane2:A549 whole cell lysate(40ug)

Lane3:AML-12 whole cell lysate(40ug)

Lane4:PC12 whole cell lysate(40ug)

Lane5:HEK293T whole cell lysate(40ug)

### DATA:



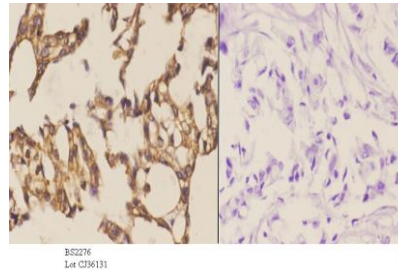
Western blot (WB) analysis of MEK-4 (K350) pAb at 1:1000 dilution

Lane1:HEK293T whole cell lysate(40ug)

Lane2:A549 whole cell lysate(40ug)

Lane3:The Brain tissue lysate of Mouse(20ug)

Lane4:The Brain tissue lysate of Rat(40ug)

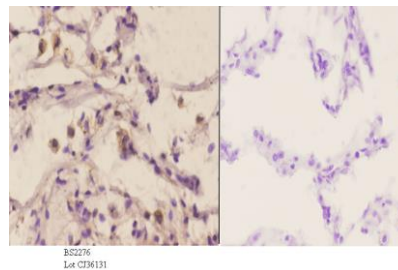


Immunohistochemistry (IHC) analyzes of MEK-4/ MAP2K4 (K350)

pAb in paraffin-embedded human breast carcinoma tissue at

1:50, showing cell membrane cytoplasmic and nucleus staining. Nega-

tive control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



Immunohistochemistry (IHC) analyzes of MEK-4/ MAP2K4 (K350)

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## PRODUCT DATA SHEET

Bioworld Technology, Inc.

pAb in paraffin-embedded human lung carcinoma tissue at 1:50 showing cell membrane 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.

**Note:**

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

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