MEK1/2 (phospho-Ser217/221) polyclonal antibody

Catalog: BS66301 Host: Rabbit Reactivity: Human,Mouse,Rat,Chicken,Dog,Rabbit,Zebrafish

BackGround:

MEK1 and MEK2, also called MAPK or Erk kinases, are dual-specificity protein kinases that function in a mitogen activated protein kinase cascade controlling cell growth and differentiation. Activation of MEK1 and MEK2 occurs through phosphorylation of two serine residues at positions 217 and 221, located in the activation loop of subdomain VIII, by Raf-like molecules. MEK1/2 is activated by a wide variety of growth factors and cytokines and also by membrane depolarization and calcium influx. MEK activates p44 and p42 MAP kinase by phosphorylating both threonine and tyrosine residues at sites located within the activation loop of kinase subdomain VIII.

Product:

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

Molecular Weight:

45kDa

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: 1:100 - 1:200

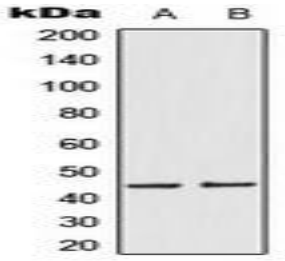
Storage&Stability:

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

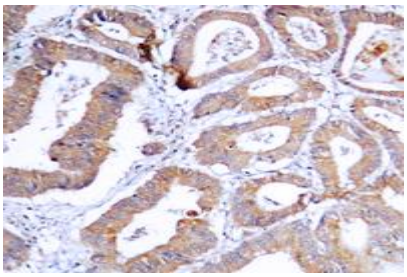
Specificity:

MEK1/2 (phospho-Ser217/221) polyclonal antibody detects endogenous levels of MEK1/2 protein only when phosphorylated at S217/221.

DATA:



Western blot analysis of MEK1/2 (phospho-Ser217/221) expression in HeLa EGF-treated (A), A431 EGF-treated (B) whole cell lysates.



Immunohistochemical analysis of MEK1/2 (phospho-Ser217/221) staining in human colon cancer formalin fixed paraffin embedded tissue section.

Note:

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

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