ERK1/2 (D196) polyclonal antibody

Catalog: BS3627 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

The activation of signal transduction pathways by growth factors, hormones and neurotransmitters is mediated through two closely related MAP kinases, p44 and p42, designated extracellular-signal related kinase 1 (ERK 1) and ERK 2, respectively. ERK proteins are regulated by dual phosphorylation at specific tyrosine and Threonine sites mapping within a characteristic Thr- Glu-Tyr motif. Phosphorylation at both the Thr and Tyr residues is required for full enzymatic activation. In response to activation, MAP kinases phos-phorylate downstream components on Serine and Threonine. Upstream MAP kinase regulators include MAP kinase kinase (MEK), MEK kinase and Raf-1. The ERK family has three additional members: ERK 3, ERK 5 and ERK 6.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 42,44 kDa

Swiss-Prot:

P27361/P28482

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

IF: 1:50~1:200

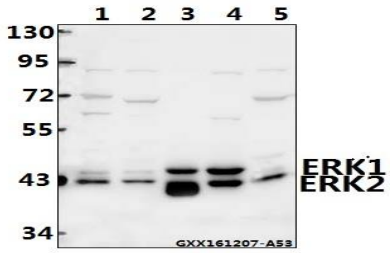
Storage&Stability:

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

Specificity:

ERK1/2 (D196) polyclonal antibody detects endogenous levels of ERK1/2 protein.

DATA:



Western blot (WB) analysis of ERK1/2 (D196) polyclonal antibody at 1:500 dilution

Lane1:A549 whole cell lysate(40ug)

Lane2:L02 whole cell lysate(40ug)

Lane3:The Lung tissue lysate of Rat(40ug)

Lane4:AML-12 whole cell lysate(40ug)

Lane5:MCF-7 whole cell lysate(40ug)

Note:

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

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