

ERK1 polyclonal antibody

Catalog: BS90469

Host: Rabbit

Reactivity: Human, mouse, rat

BackGround:

Mitogen-activated protein kinases (MAPKs) are a widely conserved family of serine/threonine protein kinases involved in many cellular programs, such as cell proliferation, differentiation, motility, and death. The p44/42 MAPK (Erk1/2) signaling pathway can be activated in response to a diverse range of extracellular stimuli including mitogens, growth factors, and cytokines, and research investigators consider it an important target in the diagnosis and treatment of cancer. Upon stimulation, a sequential three-part protein kinase cascade is initiated, consisting of a MAP kinase kinase kinase (MAPKKK or MAP3K), a MAP kinase kinase (MAPKK or MAP2K), and a MAP kinase (MAPK). Multiple p44/42 MAP3Ks have been identified, including members of the Raf family, as well as Mos and Tpl2/COT. MEK1 and MEK2 are the primary MAPKKs in this pathway.

Product:

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

Molecular Weight:

44 kDa

Swiss-Prot:

P27361

Purification&Purity:

Peptide affinity purified

Applications:

WB:1:500-1:1,000

ICC:1:200

IHC:1:200

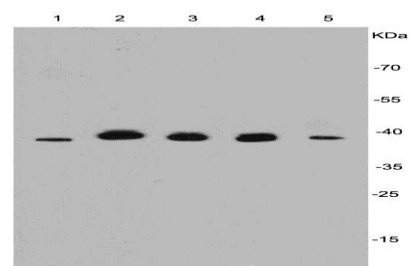
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

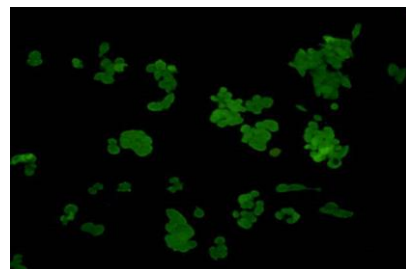
Specificity:

ERK1 polyclonal antibody detects endogenous levels of ERK1 protein.

DATA:



Western blot analysis of ERK1 on different cell lysates using anti-ERK1 antibody at 1/1000 dilution. Positive control: Lane 1: Hela Lane2: SW480 Lane3: HCT116 Lane 4: HepG2 Lane5: PC12



ICC staining of ERK1 in LOVO cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

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

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