

Phospho-ERK1 (pThr202/pTyr204) / ERK2 (pThr185/pTyr187)**Recombinant Rabbit mAb**

Catalog: BS43037

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

This gene encodes a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. The activation of this kinase requires its phosphorylation by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets. One study also suggests that this protein acts as a transcriptional repressor independent of its kinase activity. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Two alternatively spliced transcript variants encoding the same protein, but differing in the UTRs, have been reported for this gene. [provided by RefSeq, Jan 2014]

Product:

Store at -20 °C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.

Molecular Weight:

44,42 kDa

Swiss-Prot:

P28482

Purification&Purity:

Affinity Purification

Applications:

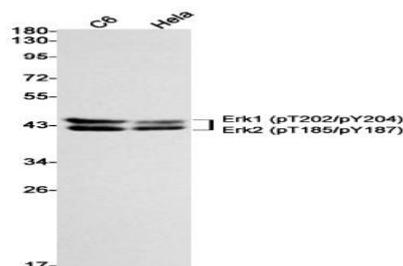
WB: 1:2000
IP: 1:20

Storage&Stability:

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

Isotype:

IgG

DATA:

Western blot detection of Erk1 (pT202/pY204)/Erk2 (pT185/pY187) in C6, HeLa cell lysates using Erk1 (pT202/pY204)/Erk2 (pT185/pY187) antibody(1:1000 diluted).

Note:

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

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