

## ERK2 monoclonal antibody

Catalog: BS65504

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.

### Product:

0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

### Molecular Weight:

~42 kDa

### Swiss-Prot:

P28482

### Purification&Purity:

affinity purified by Protein A

### Applications:

WB=1:500-2000

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

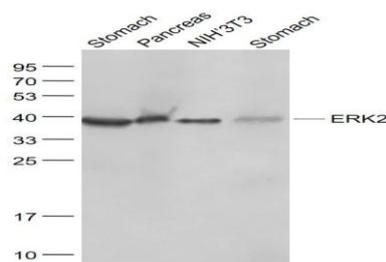
### Storage&Stability:

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

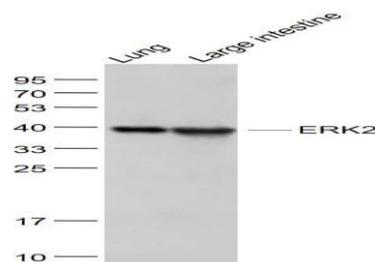
### Specificity:

ERK2 monoclonal Antibody detects endogenous levels of ERK2 protein.

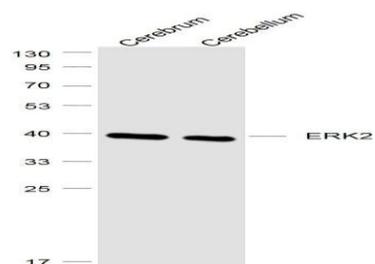
### DATA:



Anti- ERK2 at 1/1000 dilution



Anti- ERK2 at 1/1000 dilution



Anti-ERK2 at 1/1000 dilution

### Note:

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

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