

## phospho-ERK1 + 2 (Thr183/Tyr185) Polyclonal Antibody

Catalog: BS65784      Host: Rabbit      Reactivity: Hu-man, Mouse, Rat, Chicken, Dog, Cow, Horse, Rabbit, Guinea Pig,

### BackGround:

Mitogen-activated protein kinase (MAPK) signaling cascades include MAPK or extracellular signal-regulated kinase (ERK), MAPK kinase (MKK or MEK), and MAPK kinase kinase (MAPKKK or MEKK). MAPKK kinase/MEKK phosphorylates and activates its downstream protein kinase, MAPK kinase/MEK, which in turn activates MAPK. The kinases of these signaling cascades are highly conserved, and homologs exist in yeast, Drosophila, and mammalian cells. MAPKKK5 contains 1,374 amino acids with all 11 kinase subdomains. Northern blot analysis shows that MAPKKK5 transcript is abundantly expressed in human heart and pancreas. The MAPKKK5 protein phosphorylates and activates MKK4 (aliases SERK1, MAPKK4) in vitro, and activates c-Jun N-terminal kinase (JNK)/stress-activated protein kinase (SAPK) during transient expression in COS and 293 cells; MAPKKK5 does not activate MAPK/ERK.

### Product:

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

### Molecular Weight:

42 kD

### Swiss-Prot:

P63085

### Purification&Purity:

affinity purified by Protein A

### Applications:

WB=1:500-2000, ICC=1:100-500

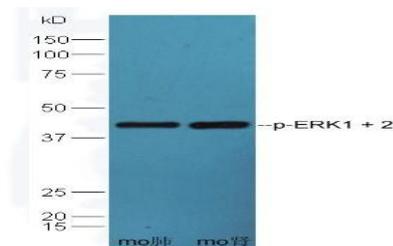
### Storage&Stability:

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

### Specificity:

phospho-ERK1 + 2 (Thr183/Tyr185) Polyclonal Antibody detects endogenous levels of ERK1 + 2 protein only when phosphorylated at Thr183/Tyr185.

### DATA:



Primary: Anti-phospho-ERK1+2 at 1:300 dilution;

### Note:

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

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