bsm-52069R

[**Primary Antibody**]

ERK5 Recombinant Rabbit mAb

DATASHEET

Host: Rabbit

Clonality: Recombinant

GeneID: 5598

Target: ERK5

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.

Isotype: IgG

CloneNo.: 8D8

SWISS: Q13164

Background: The protein encoded by this gene is a member of the MAP kinase family. MAP kinases 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. This kinase is specifically activated by mitogen-activated protein kinase kinase 5 (MAP2K5/MEK5). It is involved in the downstream signaling processes of various receptor molecules including receptor type kinases, and G protein-coupled receptors. In response to extracelluar signals, this kinase translocates to cell nucleus, where it regulates gene expression by phosphorylating, and activating different transcription factors. Four alternatively spliced transcript variants of this gene encoding two distinct isoforms have been reported. [provided by RefSeq, Jul 2008]
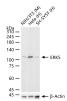
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse (predicted: Rat)

Predicted MW.: 90 kDa

Subcellular Location: Cytoplasm ,Nucleus

VALIDATION IMAGES

25 ug total protein per lane of various lysates (see on figure) probed with ERK5 monoclonal antibody, unconjugated (bsm-52069R) at 1:1000 dilution and 4℃ overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

SELECTED CITATIONS

- **[IF=5.162]** Lei Zhao. et al. Proteomic analysis reveals the molecular mechanism of Hippophae rhamnoides polysaccharide intervention in LPS-induced inflammation of IPEC-J2 cells in piglets. Int J Biol Macromol. 2020 Dec;164:3294 WB ;Pig. 32888998