bs-5437R **[Primary Antibody]**

phospho-ASK1 (Ser1033) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 4217 **SWISS:** Q99683

Target: ASK1 (Ser1033)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human ASK1 around the phosphorylation site of Ser1033: PP(p-S)PE.

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°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.

Applications: **WB** (1:500-2000)
ELISA (1:5000-10000)

Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Cow, Dog, Horse)

Predicted MW.: 155 kDa

Subcellular Location: Cytoplasm

SELECTED CITATIONS

- **[IF=1.922]** Cao et al. Dickkopf-3 upregulation mediates the cardioprotective effects of curcumin on chronic heart failure. (2018) Mol.Med.Rep. 17:7249-7257 WB ;rabbit. 29568962