bs-16868R **[Primary Antibody]**

phospho-KSR1 (Ser404) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 8844 **SWISS:** Q8IVT5

Target: phospho-KSR1 (Ser404)

Immunogen: KLH conjugated synthesised phosphopeptide derived from human KSR1 around the phosphorylation site of Ser404: TE(p-S)VP.

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: KSR1 is a molecular scaffold and positive regulator of the Raf/MEK/ERK phosphorylation cascade. It was initially considered to be a protein kinase acting in the Ras pathway. KSR1 is required for maximal ERK activation induced by growth factors and by some cytotoxic agents. In resting cells, phosphorylated KSR1 is cytoplasmic and in stimulated cells, dephosphorylated KSR1 is membrane associated.

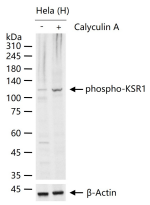
Applications: **WB** (1:500-2000)

Reactivity: Human (predicted: Mouse, Rat, Pig, Dog)

Predicted MW.: 102 kDa

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



Hela (H) cells were treated with or without Calyculin A (50nM 30) for 30 min, 25 µg total protein per lane of cell lysates (see on figure) probed with phospho-KSR1 (Ser404) polyclonal antibody, unconjugated (bs-16868R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.