bs-3277R **[Primary Antibody]**

phospho-MEK7 (Ser271 + Thr275) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 5609 **SWISS:** O14733

Target: MEK7 (Ser271 + Thr275)

Immunogen: KLH conjugated synthesised phosphopeptide derived from human MKK7 around the phosphorylation site of Ser271/Thr275: VD(p-S)KAK(p-T)RS.

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: The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase specifically activates MAPK8/JNK1 and MAPK9/JNK2, and this kinase itself is phosphorylated and activated by MAP kinase kinase kinases including MAP3K1/MEKK1, MAP3K2/MEKK2,MAP3K3/MEKK5, and MAP4K2/GCK. This kinase is involved in the signal transduction mediating the cell responses to proinflammatory cytokines, and environmental stresses. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found, but only one transcript variant has been supported and defined. [provided by RefSeq, Jul 2008].

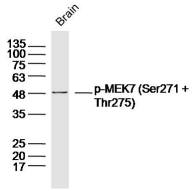
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1μg /Test)

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

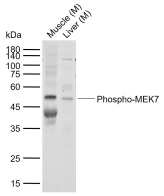
Predicted MW.: 47 kDa

Subcellular Location: Cytoplasm ,Nucleus

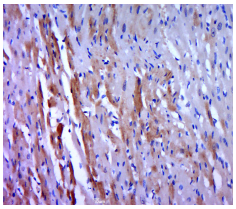
VALIDATION IMAGES



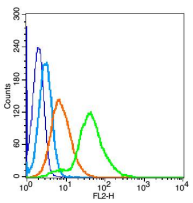
Sample: Brain (mouse) Lysate at 40 ug Primary: Anti- p-MEK7 (Ser271 + Thr275) (bs-3277R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 47kD Observed band size: 48kD



Sample: Lane 1: Mouse Muscle tissue lysates Lane 2: Mouse Liver tissue lysates Primary: Anti-Phospho-MEK7 (Ser271 + Thr275) (bs-3277R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 47 kDa Observed band size: 47 kDa



Paraformaldehyde-fixed, paraffin embedded (rat heart tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (P-MEK7 (Ser271 + Thr275)) Polyclonal Antibody, Unconjugated (bs-3277R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Blank control: Jurkat cells(fixed with 2% paraformaldehyde (10 min) , then permeabilized

with 90% ice-cold methanol for 30 min on ice). Primary Antibody:Rabbit Anti-Phospho-MEK7 (Ser271 + Thr275) antibody(bs-3277R), Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions); Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.

SELECTED CITATIONS

- **[IF=5.3]** Caixia Tan. et al.Mcl-1 downregulation enhances BCG treatment efficacy in bladder cancer by promoting macrophage polarization.Cancer Cell International.2025 Feb 15;25(1):48. ;. 39955585