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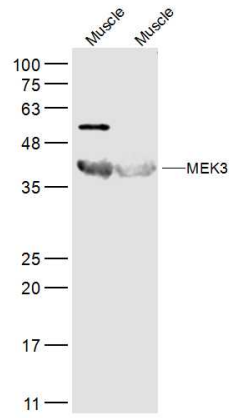
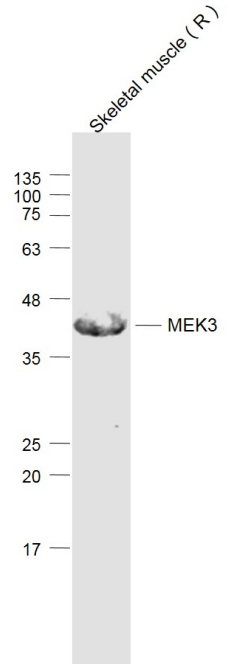
MEK3 Rabbit pAb

Catalog Number:	bs-1689R
Target Protein:	MEK3
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)
Reactivity:	Human, Mouse, Rat
Predicted MW:	39 kDa
Subcellular Locations:	Cytoplasm ,Nucleus
Entrez Gene:	5606
Swiss Prot:	P46734
Source:	KLH conjugated synthetic peptide derived from human MKK3: 251-347/347.
Purification:	affinity purified by Protein A
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 is activated by mitogenic and environmental stress, and participates in the MAP kinase-mediated signaling cascade. It phosphorylates and thus activates MAPK14/p38-MAPK. This kinase can be activated by insulin, and is necessary for the expression of glucose transporter. Expression of RAS oncogene is found to result in the accumulation of the active form of this kinase, which thus leads to the constitutive activation of MAPK14, and confers oncogenic transformation of primary cells. The inhibition of this kinase is involved in the pathogenesis of Yersina pseudotuberculosis. Multiple alternatively spliced transcript variants that encode distinct isoforms have been reported for this gene. [provided by RefSeq].

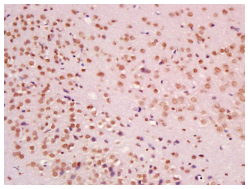
VALIDATION IMAGES



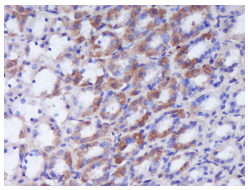
Sample: Muscle (Mouse) Lysate at 40 ug Muscle (Mouse) Lysate at 40 ug Primary: Anti-MEK3 (bs-1689R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 39 kD Observed band size: 39 kD



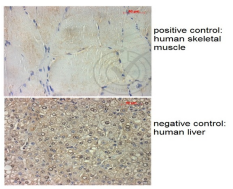
Sample: Skeletal muscle (Rat) Lysate at 40 ug Primary: Anti-MEK3 (bs-1689R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 39 kD Observed band size: 39 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); 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 (MEK3) Polyclonal Antibody, Unconjugated (bs-1689R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat stomach); 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 (MEK3) Polyclonal Antibody, Unconjugated (bs-1689R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Images provided by the Independent Validation Program (badge number 029754) Formalin-fixed and paraffin embedded human skeletal muscle labeled with Rabbit Anti-MEK3/MAP2K3 Polyclonal Antibody (bs-1689R) at 1:250 overnight at room temperature followed by conjugation to secondary antibody.

PRODUCT SPECIFIC PUBLICATIONS

[IF=3.989] Li Meng. et al. Comprehensive Analysis of 5-Methylcytosine Profiles of Messenger RNA in Human High-Grade Serous Ovarian Cancer by MeRIP Sequencing. Cancer Manag Res. 2021 Aug;13:6005-6018 IF ; Human . 34377020