

bs-5431R**[Primary Antibody]****phospho-MEK5 (Ser129) Rabbit pAb****Bioss**
ANTIBODIES

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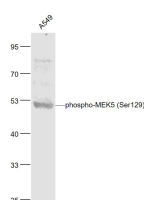
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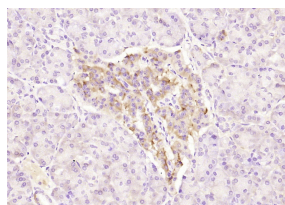
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 5607	SWISS: Q13163	IHC-F (1:100-500)
Target: MEK5 (Ser129)		IF (1:100-500)
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human MEK5 around the phosphorylation site of Ser129: GP(p-S)QH.		Reactivity: Human (predicted: Rabbit, Sheep, Cow, Horse)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 50 kDa
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.		Subcellular Location: Cytoplasm
Background: MEK5 is a dual specificity protein kinase belonging to the Ser/Thr protein kinase family, (MAP kinase kinase family). It is activated by phosphorylation on Ser/Thr by MAP kinase kinases and interacts specifically with ERK5, and not with another MAP kinase like P38. This kinase specifically interacts with and activates MAPK7/ERK5. This kinase itself can be phosphorylated and activated by MAP3K3/MEKK3, as well as by atypical protein kinase C isoforms (aPKCs). It is not phosphorylated by RAFA, RAFB or RAFC and it may interact with GTPases such as CDC42. The signal cascade mediated by this kinase is involved in growth factor stimulated cell proliferation and muscle cell differentiation. MEK5 is expressed in many adult tissues and is most abundant in heart and skeletal muscle.		

— VALIDATION IMAGES —

Sample: A549(Human) Cell Lysate at 30 ug
 Primary: Anti-phospho-MEK5 (Ser129)
 (bs-5431R) at 1/1000 dilution Secondary:
 IRDye800CW Goat Anti-Rabbit IgG at 1/20000
 dilution Predicted band size: 52 kD Observed
 band size: 52 kD



Paraformaldehyde-fixed, paraffin embedded
 (human pancreatic cancer); 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 (phospho-MEK5
 (Ser129)) Polyclonal Antibody, Unconjugated
 (bs-5431R) at 1:200 overnight at 4°C, followed by
 operating according to SP Kit(Rabbit) (sp-0023)
 instructions and DAB staining.