

bs-3949R**[Primary Antibody]****BioSS**
ANTIBODIES

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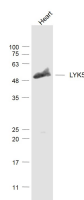
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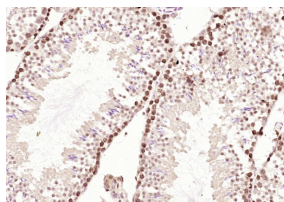
400-901-9800

LYK5 Rabbit pAb**— DATASHEET —**

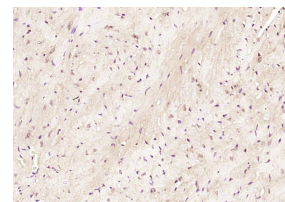
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Mouse (predicted: Human, Rat, Rabbit, Pig, Cow, Dog, Horse) Predicted MW.: 48 kDa Subcellular Location: Cytoplasm ,Nucleus
Clonality: Polyclonal		
GeneID: 92335	SWISS: Q7RTN6	
Target: LYK5		
Immunogen: KLH conjugated synthetic peptide derived from human LYK5: 1-100/431.		
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: Members of the STE-20 like kinase family are known to stimulate MAPK pathways by directly activating MAPKKK. LYK5 is a novel pseudokinase member of this family consisting of a STE-20 like kinase domain but lacks several residues that are required for its catalytic activity. It specifically binds LKB1 and plays a key role in regulating the tumor suppressor activities of LKB1. It functions as an upstream activator of LKB1 and also directs the sub-cellular localization of LKB1 by anchoring it in the cytoplasm. LYK5-LKB1 interaction results in phosphorylation of LYK5 and enhanced autophosphorylation of LKB1.		

— VALIDATION IMAGES —

Sample: Heart (Mouse) Lysate at 40 ug Primary:
 Anti-LYK5 (bs-3949R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at
 1/20000 dilution Predicted band size: 48 kD
 Observed band size: 48 kD



Paraformaldehyde-fixed, paraffin embedded (mouse testis); 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 (LYK5) Polyclonal Antibody, Unconjugated (bs-3949R) 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 (mouse heart); 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 (LYK5) Polyclonal Antibody, Unconjugated (bs-3949R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.