

bs-5786R**[Primary Antibody]****BioSS**
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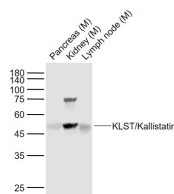
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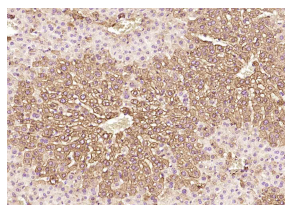
400-901-9800

KLST/Kallistatin Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 5267	SWISS: P29622	IHC-F (1:100-500)
Target: KLST/Kallistatin		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human KLST/Kallistatin: 151-250/427.		Reactivity: Mouse (predicted: Human, Rat)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 49 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: Secreted
Background: Kallistatin is a serine proteinase inhibitor which binds to tissue kallikrein and inhibits its amidolytic and kininogenase activity. Inhibition is achieved by formation of an equimolar, heat- and SDS-stable complex between the inhibitor and the enzyme, and generation of a small C-terminal fragment of the inhibitor due to cleavage at the reactive site by tissue kallikrein. Heparin blocks kallistatin's complex formation with tissue kallikrein and abolishes its inhibitory effect on tissue kallikrein's activity.		

— VALIDATION IMAGES —

Sample: Lane 14: Pancreas (Mouse) Lysate at 40 ug
Lane 14: Kidney (Mouse) Lysate at 40 ug
Lane 14: Lymph node (Mouse) Lysate at 40 ug
Primary: Anti-KLST/Kallistatin (bs-5786R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 50-60 kD
Observed band size: 50 kD



Paraformaldehyde-fixed, paraffin embedded (mouse liver); 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 (KLST) Polyclonal Antibody, Unconjugated (bs-5786R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=2.2]** Biswas et al. Polymorphisms at the F12 and KLKB1 loci have significant trait association with activation of the renin-angiotensin system. (2016) BMC.Med.Genet. 17:21 IF ;Mouse. 26969407